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VOLUME I

June 1980

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U.S. ARMY COMMUNICATIONS AND ELECTRONICS
MATERIEL READINESS COMMAND
FORT MONMOUTH, NEW JERSEY 07703
under Contract DAAB 07-78-A-6606/BG 02

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TECHNICAL REPORT

TMDE MODERNIZATION PROGRAM

VOLUME I

June 1980



Prepared for

U.S. Army Communications and Electronics
Materiel Readiness Command
Fort Monmouth, New Jersey 07703
under Contract DAAB07-78-A-6606/BG02

by

A. Simmons
R. Kavanaugh
B. Paiz

ARINC Research Corporation

a Subsidiary of Aeronautical Radio, Inc.
2551 Riva Road
Annapolis, Maryland 21401

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FOREWORD

This technical report describes the work performed by ARINC Research Corporation during May and June 1980 for the U.S. Army Communications and Electronics Materiel Readiness Command (CERCOM), Fort Monmouth, New Jersey, under Contract DAAB07-78-A-6606/BG02. It presents the background, objectives, technical approach, and results of Subtasks 4A, 4B, and 4C. Other tasks assigned under the contract will be summarized in a separate report.

ARINC Research Corporation wishes to express its appreciation for the cooperation and assistance provided by Mr. Richard E. Pribyl of the Directorate of Maintenance Engineering, Special Equipment Support Division, CERCOM. We also wish to thank Mr. Eli J. Dworkin, Chief, Special Equipment Support Division, for his interest and guidance during the project.

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ABSTRACT

ARINC Research Corporation conducted a review and analysis of various aspects of the TMDE Modernization Program (TMP) to determine the minimum number of separate makes and models that will replace existing general purpose TMDE in the Army. In addition, a Time-Phased Plan (TPP) for the introduction of TMDE acquired as a result of the TMP was developed, and the effects of not delivering modernized TMDE on schedule were identified.

SUMMARY

ARINC Research Corporation was tasked by the U.S. Army Communications and Electronics Materiel Readiness Command (CERCOM) to review and analyze elements of the U.S. Army TMDE Modernization Program (TMP) pertaining to off-the-shelf (OTS) electronic test equipment (ETE) and to report the results.

The objectives of the review and analysis were to determine the minimum number of individual makes and models (M/M) of TMDE that would be required to replace the existing general purpose (GP) TMDE inventory, develop a Time-Phased Plan (TPP) for the TMP, and evaluate the impact of not completing the TMP on schedule. The information base for this project consisted of previous reports compiled by ARINC Research, Government documents (see Appendix A), and Letter Requirements (LRs) developed by the DARCOM/TRADOC Joint Working Group (JWG).

The principal conclusions reached as a result of this project are summarized as follows:

- The minimum number of M/M required to replace the U.S. Army GP TMDE inventory is 102. This number may rise slightly if each mainframe and plug-in combination required to satisfy a specific LR is nomenclatured separately.
- An estimated 1,948 individual M/M of GP TMDE, in 74 TMDE families, can be replaced by the 102 M/M.
- Several GP TMDE families and OTS ETE specifications that pertain to the required 102 M/M do not have corresponding LRs. These families should be reviewed and LRs prepared, if necessary. The OTS ETE specifications applicable to several of the LRs are out of date and should be reviewed, upgraded, and validated.
- The Nondevelopmental Item (NDI) acquisition process is applicable to the procurement of OTS ETE. This process was used to develop the TPP.
- The TPP provides the guidance necessary to implement the TMP and to determine initial resource requirements. The TPP is currently applicable to 76 LRs for fiscal years (FY) 1981 to 1985.

- Overall cost and replacement data for the 76 LRs were not available. Data were available for 26 LRs, and these data were used to extrapolate cost data. However, some of these data were inconclusive; therefore, cost data were extrapolated on the basis of 16 LRs for FY 1982.
- Funds available for the TMP/TPP are insufficient and will result in long-term delays in acquiring the modernized TMDE. Table S-l depicts actual funds required, the TMP funding objective, programmed level (actual funds available for the TMP), and a no-funding situation for the TMP. A review of the data presented indicates that at the programmed level of funding, a full complement of modernized TMDE will not reach the Army in the field on schedule. Further, there is a shortfall of approximately \$290 million between funds required and funds programmed.

		Table S-1.		82-1985 FU ONS OF DOL	NDING DATA ¹ LARS)	•	
Actual Requ		ľ	unding		ogrammed vel		unding TMP
		P	rojected Fu	inding Leve	1		
358.04	(273.95)	128	(128)	68.31	(68.3)	0	(0)
			20-Year Li	fe Savings			
4343.07	(1914.16)	1550.05	(973.26)	826.42	(520.59)	0	(0)
		20-Yea	r Cost to	Retain Inv	entory		
0	(0)	4476.97	(1617.96)	5617.29	(2396.35)	6961.55	(3291.56)

^{*}Funding data (i.e., Actual Funding Level, 20-Year Life Savings, and 20-Year Cost to Retain Inventory are extrapolated to 71 LRs on the basis of currently available cost data on 16 of these LRs. The "No TMP Funding" column indicates an assumption that no funds are provided. Data in parentheses represent the median; data without parentheses represent the mean.

 The absence of state-of-the-art TMDE to support mission requirements will adversely affect the materiel readiness of weapon systems requiring TMDE support and will burden the Army's logistics system with unnecessary costs to support obsolete TMDE. On the basis of the foregoing conclusions, the following recommendations are offered:

- The LRs and OTS ETE specifications applicable to the 102 M/M should be prepared, reviewed, updated, and validated, as required. The updating of each specification should begin approximately 24 months before the fiscal-year/fiscal-quarter procurement is planned for the item.
- The TPP should be coordinated and implemented.
- Resources required to implement the TPP should be determined, and activities required to acquire these resources should be started.
- Major emphasis should be placed on acquiring the funding needed to fully implement the TMP/TPP.
- An LCC economic analysis should be completed for all of the LRs in the TMP.
- Benefits of the TMP should be reported to DARCOM, TRADOC, DA, and DoD through a series of briefings.

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CHAPTER ONE

INTRODUCTION

1.1 BACKGROUND

During the past several years, the U.S. Army Communications and Electronics Materiel Readiness Command (CERCOM) has tasked ARINC Research Corporation, under several different contracts, to perform studies and analyses to assist in the development of the TMDE Modernization Program (TMP). This program is directed toward the acquisition of off-the-shelf (OTS) electronic test equipment (ETE) to satisfy the requirements for test, measurement, and diagnostic equipment (TMDE) in the U.S. Army.

Under Task 4 of Contract DAAB07-78-A-6606/BG02, ARINC Research Corporation is required to formulate conclusions and recommendations concerning the "Best Mix of TMDE" and the applicability of OTS ETE for the general support (GS) maintenance level on the basis of a review and analysis of the data collected in Task 3. However, during the contract effort it was concluded that the "Best Mix of TMDE" required by GS units must be determined in consonance with the CERCOM TMP in order to assure that current planning for OTS ETE is reflected in the "Best Mix of TMDE." It is also necessary to determine how the GS units, and the Army, will be affected if these OTS ETE do not enter the inventory as scheduled. Accordingly, the following tasks had to be accomplished before the contract work could be completed:

- Subtask 4A Identify makes and models of current Army inventory
 TMDE that will be replaced in the TMP
- Subtask 4B Establish a time-phased plan for introducing TMDE under the TMP
- Subtask 4C Evaluate the impact of not delivering modernized TMDE on schedule

These tasks are classified as subtasks to Task 4, while the original Task 4 is reclassified as Subtask 4D. This technical report summarizes the results of Subtasks 4A, 4B, and 4C. Tasks 1, 2, 3, 4D, and 5 will be reported in a separate document.

1.2 PROJECT OBJECTIVES

The overall project objectives are to assist in the implementation of the TMP and to determine the "Best Mix of TMDE" at the GS maintenance level. Specific objectives of this report are as follows:

- To determine the minimum number of separate makes and models of general purpose (GP) TMDE required to support the operation and maintenance of U.S. Army systems currently fielded
- To develop a time-phased plan to describe the replacement of the current Army GP TMDE inventory
- To evaluate the impact on the Army of not fully implementing the TMP on schedule

1.3 OVERVIEW OF WORK PERFORMED

Before Subtasks 4A, 4B, and 4C were conducted, the U.S. Army GP TMDE inventory, as described in DA PAM 700-20/21, was reviewed and each item listed was placed in a TMDE family such as Signal Generator, VHF, or Voltmeter, AC. The measurement envelope of each family was documented, and the availability of OTS ETE to satisfy those measurement requirements was determined and OTS ETE specification(s) developed to represent each family. Finally, a TMDE Cross-Reference List (TCRL) was developed to identify the ARINC Research (OTS ETE) specifications that could be used to acquire OTS ETE that might replace a specific Army TMDE. In addition, an automated TMDE data base was developed to store, sort, and compare the TMDE performance characteristics. The documents describing these activities, performed under earlier contracts with CERCOM, are listed in Appendix A, Part I.

In Subtask 4A the data developed in these earlier contracts were supplemented with data on oscilloscopes and frequency counters (which were not included in the earlier studies) and the TCRL was updated accordingly. In addition, the Letter Requirements (LRs) developed by the DARCOM/TRADOC Joint Working Group (JWG) were encoded and placed in the data base and compared with the specifications developed by ARINC Research. From these data sources, the minimum number of separate makes and models of GP TMDE required to support the operation and maintenance of U.S. Army electrical/electronic systems and to replace or supplement the existing U.S. Army TMDE inventory was determined.

In Subtask 4B documents related to integrated logistic support (ILS) and acquisition of nondevelopmental items (NDIs) were reviewed and a TMDE NDI acquisition strategy was developed. In addition, a "Time-Phased Plan" for the introduction of TMDE documented by the LRs as part of the TMP was prepared.

Subtask 4C consisted of evaluating how the Army would be affected if the TMP were not fully funded and modernized TMDE were not delivered on schedule. This evaluation was accomplished through a series of scenarios that depicted the impact, at various levels of funding, on overall program cost, cost saving, logistics, and material readiness.

1.4 REPORT ORGANIZATION

Chapter One has presented the project background and objectives. Chapter Two describes the study approach, Chapter Three the results, and Chapter Four the conclusions and recommendations. Six appendixes document data used in the conduct of the project:

Appendix A - Bibliography of Source Documents

Appendix B - Description of the TMDE Cross-Reference List (TCRL)

Appendix C - TCRL (Parts I and II)

Appendix D - LR Technical Data

Appendix E - LR/Specification Analysis

Appendix F - Life-Cycle-Cost Model

CHAPTER TWO

TECHNICAL APPROACH

2.1 ESTABLISH PROJECT BASELINE

As background to the discussion of the technical approach used in Subtasks 4A, 4B, and 4C, Sections 2.1.1 through 2.1.3 summarize earlier activities accomplished by ARINC Research Corporation in support of the TMP. These activities were used to establish the baseline for accomplishing the three subtasks.

2.1.1 U.S. Army TMDE Inventory

The U.S. Army TMDE inventory consists of approximately 5,000 separate makes and models (M/M). Approximately 4,000 of these M/M are listed in the DA TMDE Register (DA PAM 700-20/21). Approximately 1,000 M/M within the Army remain to be included in the register; most of these are non-standard items and of very low density, i.e., fewer than 10. Within the 5,000 M/M there are several distinct categories of TMDE:

- GP TMDE
- Special Purpose (SP) TMDE
- Automatic Test Equipment (ATE)
- · Calibration Standards
- · Weights/Measures
- Hydraulic/Mechanical
- COMSEC
- Laboratory/Industrial

While the TMP is directed toward replacement of GP TMDE, it has some application to SP TMDE. It is estimated that there are approximately 1,800 to 2,200 separate M/M of GP TMDE and between 500 and 700 separate M/M of SP TMDE in the Army TMDE inventory.

2.1.2 Summary of GP TMDE Activities and Accomplishments

From August 1974 to May 1975, ARINC Research Corporation conducted an economic analysis of selected TMDE from the U.S. Army Communications Command (USACC) TMDE Preferred Items List (PIL). The results of this study validated the PIL concept, i.e., the reduction of proliferation of TMDE by using OTS ETE, and developed a life-cycle-cost (LCC) model for determining the total LCC of selected TMDE. The data derived from this study were used by CERCOM in the successful development and processing of three Class Determinations and Findings (Class D & F) for TMDE and in the further development of an LCC model that determined the economics of replacing field items with a preferred item. That model was used in Contract DAABO7-78-A-6606/BG06, and the LCC results were used to provide cost data for Subtask 4C (see Appendix F).

In May 1976 CERCOM requested ARINC Research to develop OTS ETE specifications for GP TMDE. This effort began with a detailed review and analysis of the Army TMDE inventory as described in the DA TMDE Register (DA PAM 700-20/21), SB 700-20, and various PILs that were available at that time for review. The technical characteristics and application of each listed TMDE were reviewed, analyzed, and categorized, and the item was assigned to a TMDE family (e.g., Signal Generator, HF) that reflected its salient characteristics. Initially, there were 79 separate GP TMDE families. The identifying and technical data of each TMDE were encoded and stored in the computerized TMDE data base. Other categories of TMDE, e.g., SP TMDE, Calibration Standards, and ATE, were excluded from this study; however, identification data for the excluded items were encoded and stored in the data base. From this data base, various reports were derived that facilitated the development of the OTS ETE specifications.

On the basis of the technical characteristics of each GP TMDE family, a test/measurement envelope or composite for that family was developed. These data served as a starting point for determining whether there were available OTS ETE that would meet or exceed the test/measurement capabilities of Army TMDE. The objective was to identify state-of-the-art OTS ETE TMDE that had the required technical features to replace Army TMDE within a TMDE family, be acquired competitively, and provide data for development of the OTS ETE specifications. This process resulted in the combining of several TMDE families under one OTS ETE specification and in the preparation of a number of OTS ETE specifications to cover one family. Thus the OTS ETE specifications were developed from Army TMDE inventory data and were expanded to include state-of-the-art capabilities available in OTS ETE that could be acquired competitively. The specifications were formatted in accordance with MIL-T-28800, encoded, and included in the ARINC Research TMDE data base. As a result, a total of 98 OTS ETE specifications representing 69 GP TMDE families were developed. With the exception of oscilloscopes and frequency counters, which were specifically excluded by CERCOM, the 69 TMDE families represent all categories of GP TMDE found in the Army TMDE inventory.

The technical data in the TMDE data base for the specifications and for the Army GP TMDE were used to develop the TCRL. That document indicates which specifications can be used to acquire OTS ETE that has the potential for replacing a specific Army TMDE. Thus the TCRL is a starting point for determining which TMDE can be functionally or partially replaced by the acquisition of a new TMDE that conforms to the OTS ETE specifications shown in the TCRL. Appendix B provides a more detailed description of the TCRL.

The activities described above were completed in July 1977. Subsequently, 9 specifications and 7 TMDE families were reviewed, upgraded, and documented in ARINC Research Publication 1076-01-3-1770, dated July 1978, and 18 specifications and 18 TMDE families were reviewed, upgraded, and documented in ARINC Research Publication 1574-01-1-2076, dated December 1979. As a result, 7 specifications and 5 TMDE families were eliminated or combined with other specifications.

The foregoing activities produced the data shown in Table 2-1. This table displays the number of individual GP TMDE families (in TMDE family code sequence), the number of individual family members (i.e., separate makes and models), and the families that were combined with another family (see "Remarks" column). Table 2-1 also depicts the specifications representing each family, by specification number, date prepared, and specific name. Finally, the LR Numbers* assigned to those LRs prepared by the DARCOM/TRADOC JWG and containing characteristics comparable to OTS ETE specifications are shown, together with the fiscal year in which the Army intends to replace the item. ARINC Research originally concluded that the Army had 79 distinct GP TMDE families, excluding oscilloscopes and frequency counters. However, in the time since that conclusion was made, the number of active TMDE families has been reduced to 64 GP TMDE families as a result of advances in TMDE technology. The individual members of these 64 families have the potential for replacement by newly acquired TMDE that reflect the technical characteristics of the 91 OTS ETE specifications listed. Potentially, 1,606 separate makes and models in the Army inventory can be replaced by these specifications as defined in the TCRL.

2.1.3 Summary of SP TMDE Activities and Accomplishments

In June 1979 ARINC Research was tasked by CERCOM to determine the feasibility of replacing SP TMDE with OTS ETE. Again, the DA TMDE Register was the primary data source; and the automated processes, procedures, and data base established during the GP activities described in Section 2.1.2 were used to review and analyze SP TMDE.

Initially, 593 SP TMDE, as listed in the register, were identified and their respective identification and technical data were encoded and included in the TMDE data base for further processing. As a result of this process, 51 SP TMDE families and their individual members were identified and grouped. This concluded the first part of the study.

^{*}The LR Number assigned by ARINC Research is a duplicate of the "Performance Characteristic Number" assigned by DARCOM/TRADOC JWG to each LR.

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TMDE Pamily								
Code	THDE Family Name	Number of M/M in ThDE Family	OTS BTE Specification Number	Date Specification Prepared	Specification Name	Remarks	LR Number	FY Buy Year
100	Ammeter, AC	17	:			Combined with TMDE Pamily 002/ Specification 23		
200	Ammeter, Clamp-On	9	23	12/79	Ammeter, AC, Clamp-On			
8	Aumeter, DC	01	;	1		Combined with TWDE Family 032/ Specification 29		
- - 00	Audio Intensity Meter	s	87	ייי/י	Audio Intensity Meter			
500	Audio Level Meter	=	1	1		Combined with TMDE Family 071/ Specification 81		
900	Audio Oscillator	64	٦	1/11	Audio Oscillator		33	1962
900	Bridge	38	25	81/1	Bridge, Universal		99	1964
600	Cable Test Set	14	88	12/79	Cable Test Set, Time Domain Reflectometer		8	1983
010	Calorimeter	4	42	5/17	Calorimeter		05	1985
110	Capacitor Test Set	6.	1	1		Combined with TWDE Family 008/ Specification 25		
013	Data Error Rate Test Set	,	72	6/17	Data Error Test Set		00	1984
014	Distortion Analyzer	16	74	6/17	Distortion Analyzer		79	1984
910	Envelope Delay Test Set	s	75	6/17	Envelope Delay Test Set		8	1985
020	Prequency Meter	49	47	5/17	Frequency Meter A		=	1983
			48	5/77	Frequency Meter B			
			49	5/17	Frequency Meter C			
			50	5/17	Prequency Meter D			
			51	5/17	Frequency Meter E			
		•	52	5/17	Frequency Meter F			
			53	5/17	Frequency Meter G			
			54	5/17	Prequency Meter H			
			55	5/17	Frequency Meter I		_	
021	Gauss Meter	4	68	11/1	Gauss Meter			
022	Impedance Meter	<u> </u>				Combined with TWDE Family 088/ Specification 25		
023	Impulse Noise Counter	-	76	6/11	Impulse Noise Counter		12	1984
920	Insulation Test Set	54	%	3/77	Insulation Test Set		13	1983

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			T	Table 2-1. (cont	(continued)			
TMDE Family Code	TMDE Family Name	Number of M/M in TWDE Family	OTS ETE Specification Number	Date Specification Prepared	Specification Name	Remarks	L.R Number	FY Buy Year
720	Logic Analyzer	n	11	11/9	Logic Analyzer			
620	Megohmmeter	8	27	11/9	Megohmmeter		14	1983
030	Microwave Link Analyzer	6	56	5/11	Microwave Link Analyzer		15	1984
031	Modulation Meter	=	25	11/5	Modulation Weter		60	1983
032	Multimeter	153	28	12/79	Multimeter, Digital, Handheld		17	1982
			59	12/79	Multimeter, Digital		18	1982
033	Noise Figure Meter	~	1	!		Combined with TWED Family 055/ Specification 13	19	1985
034	Noise Power Ratio Test Set	4	28	2/11	Noise Power Ratio Test Set		50	1984
			65	11/5	Noise Generator, Twelve Channel		21	1985
035	Ohmmeter	ຕ	30	3/77	Ohmmeter			
			31	11/1	Ohmmeter (Earth Tester)		22	1985
036	Oscillographic Recorder	18	16	יר/ר	Oscillographic Recorder (Two Channel)		23	1982
			85	נר/ר	Oscillographic Recorder (Eight Channel)			··
037	Phase Jitter Meter	4	78	11/9	Phase Jitter Meter		31	1984
038	Phase Meter	4	09	11/5	Phase Meter			
040	Power Meter, RF	2	61	12/79	Wattmeter, RF		26	1983
041	Power Meter, SHF	17	63	12/79	Power Meter, SHF		7.7	1984
042	Q-Meter	6	93	רר/ר	Q-Meter			
043	Field Strength Meter	11	43	5/17	Field Strength Meter A			
			44	11/5	Field Strength Meter B			
			45	11/5	Field Strength Meter C			
			46	۲۲/۶	Field Strength Meter D			
045	Semi-Conductor Test Set	23	94	11/1	Semi-Conductor Test Set		63	1982
047	Signal Generator, Function	37	;	1		Combined with TMDE Family 081/ Specification 19	43	1982
049	Sweep Generator, SHF	43	21	12/77	Sweep Generator, SHF		51	1982
050	Signal Generator, Pulse	45	8 0	81/1	Generator, Signal Pulse		48	1982
051	Signal Generator, HF	56	03	1/11	Signal Generator, HF		34	1961
052	Sweep Generator, HF	12	20	רר/ג	Sweep Generator, HF		Ş	1982

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THURE Pamily Name NAM in Specification Specification TRUE Pamily Name TWA in TRUE Pamily Name TWA in TRUE Pamily Name TWA in TRUE Pamily Name Pamily					Table 2-1. (cont	(continued)			
Television Generator 11 79 6/77 Temperature Indicator 4 96 7/77 Transmission Test Set 32 81 12/79 Transmission Test Set 32 81 6/77 Transmission Test Set 32 81 6/77 Tube Tester 2 883 6/77 Vector Impedance Meter 2 883 6/77 Voltmeter, DC 26 Voltmeter, DC 26 Voltmeter, RF 19 12/79 Voltmeter, RF 10-Line 5 62 12/79 Fower Meter, RF, In-Line 5 62 12/79 Fower Meter, RF, In-Line 5 62 12/79 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 65 17 3/78 Sweep Generator, VHF 8 16 17 18 7/78 Sweep Generator, VHF 8 16 16 17/78	TMDE Family Code		Number of M/M in TMDE Family	OTS ETE Specification Number	Date Specification Prepared	Specification Name	Remarks	LR Number	FY Buy Year
Temperature Indicator 4 96 6/77 Transmission Test Set 32 81 12/79 Trube Tester 23 82 6/77 Tube Tester 23 83 6/77 Vector Impedance Meter 2 83 6/77 Vector Voltmeter 6 85 6/77 Voltmeter, AC 58 Voltmeter, PK 10-Line 5 62 12/79 Sweep Generator, VHF 65 17 3/78 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 8 16 17 3/78 Sweep Cenerator, VHF 8 16 17 3/78 Signal Generator, VHF 8 16 16 7/78 Signal Generator, VHF 8 16 17 17 17 17 17 17 18 Signal Generator, VHF 8 17 16 17 17 17 18 Signal Generator, VHF 8 17 17 17 17 18	890	Television Generator	11	61	11/9	Television Generator A			
Transmission Test Set 32 81 12/79 Transmission Test Set 32 81 12/79 Tube Tester 2 3 36 3/77 Vector Impedance Meter 2 83 6/77 Vector Impedance Meter 2 83 6/77 Vector Voltmeter 6 85 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, RF 9 40 12/79 Voltmeter, RF 9 40 12/79 Voltmeter, RF 9 40 12/79 Voltmeter, RF 10-Line 5 62 12/79 Fower Meter, RF, In-Line 5 62 12/79 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 65 17 15 Signal Generator, VHF 85 11 15 3/78 Sweep Generator, VHF 85 11 15 3/78				080	6/77	Television Generator B			
Transmission Test Set 32 81 12/79 Tube Tester 23 36 6/77 Vector Impedance Meter 2 83 6/77 Vector Voltmeter 6 85 6/77 Voltmeter, AC 58 Voltmeter, BC 26 Voltmeter, BW 9 40 12/79 Voltmeter, BW 14 41 12/79 Voltmeter, BW 14 41 12/79 Voltmeter, BW 14 41 12/79 Sweep Generator, Audio 4 19 12/79 R-V Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 65 17 3/78 Sweep Generator, VHF 8 Sweep Generator, VHF 8	070	Temperature Indicator	4	96	11/1	Temperature Indicator		19	1983
Tube Tester 23 82 6/77 Vector Impedance Meter 2 83 6/77 Vector Voltmeter 6 85 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, BF 14 41 12/79 Voltmeter, BF 14 41 12/79 Voltmeter, RF 11 4 19 12/79 Voltmeter, RF 11 4 19 12/79 Voltmeter, RF 11 4 19 12/79 Sweep Generator, Audio 4 19 12/79 K-Y Recorder 6 96 7/77 Signal Generator, WHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, WHF 8	071	Transmission Test Set	32	18	12/79	Transmission Test Set A		65	1983
Tube Tester 23 36 3/77 Vector Impedance Meter 2 83 6/77 Vector Voltmeter 6 85 6/77 Voice Band Analyzer 3 86 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, RF 14 41 12/79 Voltmeter, RF 10 12/79 Voltmeter, RF 10 12/79 Sweep Generator, Audio 4 19 12/79 R-Y Recorder 5 62 1/77 Signal Generator, WHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8				82	11/9	Transmission Test Set B		64	1984
Vector Impedance Meter 2 83 6/77 Vector Voltmeter 6 85 6/77 Voice Band Analyzer 3 86 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, RF 9 40 12/79 Voltmeter, RF 14 41 12/79 Voltmeter, RF 10 12/79 Sweep Generator, Audio 4 19 12/79 Sweep Generator, Audio 4 19 12/79 R-Y Recorder 6 98 7/77 Signal Generator, WHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8 Sweep Generator, VHF 8	072	Tube Tester	23	36	177/8	Tube Tester			
Vector Voltmeter 6 84 6/77 Voice Band Analyzer 3 86 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, DGital 36 Voltmeter, RF 14 41 12/79 Voltmeter, RF 14 41 12/79 Sweep Generator, Audio 4 19 12/79 R-Y Recorder 6 96 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 65 17 3/78 Sweep Generator, VHF 8	073		~	83	6/77	Vector Impedance Meter A			
Vector Voltmeter 6 85 6/77 Voice Band Analyzer 3 86 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, DG 36 Voltmeter, RF 9 40 12/79 Voltmeter, RF 14 41 12/79 Sweep Generator, Audio 4 19 12/79 R-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 65 17 3/78 Sweep Generator, VHF 8				84	6/77	Vector Impedance Meter B		67	1985
Voltmeter, AC 3 86 6/77 Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, BF 9 40 12/79 Voltmeter, RF 14 41 12/79 Voltmeter, RF 1n-Line 5 62 12/79 Sweep Generator, Audio 4 19 12/79 R-Y Recorder 5 62 17/79 Signal Generator, WHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, UHF 8	074	Vector Voltmeter	ø	85	6/77	Vector Voltmeter		74	1983
Voltmeter, AC 58 Voltmeter, DC 26 Voltmeter, Digital 36 Voltmeter, RF 9 40 12/79 Voltmeter, RF 14 41 12/79 Sweep Generator, Audio 4 19 12/79 Power Meter, RF, In-Line 5 62 12/79 X-Y Recorder 6 98 7/78 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 15 3/78 Sweep Generator, VHF 8	979	Voice Band Analyzer	m	98	11/9	Voice Band Analyzer			
Voltmeter, DC 26 Voltmeter, RF 9 40 12/79 Voltmeter, RF 14 41 12/79 Voltmeter, RF 14 41 12/79 Sweep Generator, Audio 4 19 12/79 Fower Meter, RF, In-Line 5 62 12/79 R-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 31 15 3/78 Sweep Generator, VHF 8	920	Voltmeter, AC	28	1	1		Combined with TWDE Family 080/ Specification 41	89	1984
Voltmeter, Digital 36 Voltmeter, RF 9 40 12/79 Voltmeter, RF 14 41 12/79 Sweep Generator, Audio 4 19 12/79 Power Meter, RF, In-Line 5 62 12/79 X-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8	7.40	Voltmeter, DC	56	1	1		Combined with TMDE Family 032/ Specification 29		
Voltmeter, RF 9 40 12/79 Voltmeter, RWS 14 41 12/79 Sweep Generator, Audio 4 19 12/79 Power Meter, RF, In-Line 5 62 12/79 X-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8	870	Voltmeter, Digital	36	ļ	1		Combined with TWDE Family 032 Specification 29	02	1962
Sweep Generator, Audio 4 19 12/79 Sweep Generator, Audio 4 19 12/79 Fower Meter, RF, In-Line 5 62 12/79 X-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8	620	Voltmeter, RF	6	40	12/79	Voltmeter, RF		72	1982
Sweep Generator, Audio 4 19 12/79 Power Meter, RF, In-Line 5 62 12/79 X-Y Recorder 6 96 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8	080	Voltmeter, RMS	7	41	67/21	Voltmeter, AC True RMS		73	1983
Power Meter, RF, In-Line 5 62 12/79 X-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, VHF 31 15 3/78 Sweep Generator, VHF 8	081	_	4	61	12/79	Generator, Signal, Punction	TWDE Families 047 and 081 Were Com- bined		
X-Y Recorder 6 98 7/77 Signal Generator, VHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8	087		Ŋ	62	12/79	Power Meter, RF, In-Line		75	1983
Signal Generator, VHF 65 17 3/78 Signal Generator, UHF 31 15 3/78 Sweep Generator, VHF 8	084	X-Y Recorder	۰	86	17/1	X-Y Recorder		82	1983
Signal Generator, Uilf 31 15 3/78 Sweep Generator, VIIF 8	106	Signal Generator, VHF	9	7.1	3/78		Requirement Deleted by CERCOM 3/78		
Signal Generator, UIIP 31 15 3/78 1/78 Sweep Generator, VIIP 8				18	87/1	Generator, Signal, VHF		35	1982
16 7/78 Sweep Generator, VHF 8	107	Signal Generator, UHF	16	15	3/78		Requirement Deleted by CERCOM 3/78	37	1982
Sweep Generator, VIIP 8				16	81/1	Generator, Signal, UHF		38	1982
	106		ω	!	1		Combined with TWDE Family 109/ Specification 22		
Sweep Generator, UHF 15 22 1/77	109	Sweep Generator, UNF	15	22	1/11	Sweep Generator, UHF		20	1982

	FY Buy Year	1984							1983	1984	
	LR Number	и							69	90	
	Remarks	See "Remarks," TWDE Families 056 and 060			Combined with TWDE Family 002/ Specification 23		Combined with TMDE Family 032/ Specification 29				
(continued)	Specification Name	Voltmeter, Frequency Selective	Vibration Test Set	Audio System Test Set		Tachometer, Electronic		Optical Test Set	Voltmeter, Differential	Dial Equipment Test Set	
Table 2-1. (cont	Date Specification Prepared	11/5	ננ/נ	<i>tL/</i> 9	1	3/77	1	ננ/נ	81/1	11/9	
	OTS ETE Specification Number	70	16	п	ŀ	32	1	06	38	73	
	Number of M/M in TWDE Family	14	8	5	14	16	v	7	14	12	
	TMDE Family Name	Voltmeter, Frequency Selective	Vibration Test Set	Audio System Test Set	Motor/Generator Test Set	Tachometer, Electronic	Continuity Test Set	Optical Test Set	Voltmeter, Differential	Dial Equipment	
	TMDE Family Code	011	ııı	112	116	117	118	119	121	122	

The second part of the study was a detailed review and analysis of 20 SP TMDE selected by CERCOM (all classified as Standard A in SB 700-20) and the specific end items they supported. The individual equipment technical manuals were used as the source documents for this activity. Whenever feasible, a separate combination of GP U.S. Army PIL TMDE and ARINC Research OTS ETE specifications were identified as potential replacements for each specifically required test or measurement.

ARINC Research reached the following conclusions from this study of the feasibility of replacing SP TMDE with OTS ETE or with groups of GP TMDE:

- It appears that many SP TMDE can be replaced by individual GP TMDE
 at the Direct Support (DS)/GS/Depot (D) maintenance levels. However, many of these SP TMDE should be retained at the organizational maintenance level for convenience and because of the small
 number of authorized GP TMDE at that level.
- SP TMDE that do not have functionally equivalent GP TMDE (e.g., special wiring harnesses, mechanical holding fixtures) must be retained in the inventory at required levels of maintenance.
- The use of groups of multipurpose GP TMDE in place of SP TMDE may result in a significant cost saving (or avoidance). Further study will be required to substantiate this conclusion.
- While there may be commercial items of OTS ETE that could functionally replace SP TMDE, these items are themselves SP TMDE. Replacing SP TMDE by these limited-function, noncompetitive items would require careful assessment in such areas as mean time between failures (MTBF), mean time to repair (MTTR), mean time to calibrate (MTTC), and initial cost.

From the results of the SP TMDE study, it is estimated that approximately 40 percent of the separate makes and models (M/M) of SP TMDE in the Army TMDE inventory can be replaced with GP OTS ETE or with current U.S. Army GP PIL TMDE at the DS/GS/D maintenance levels. This would yield a reduction of approximately 237 separate M/M. If this situation existed today, SP TMDE would be relegated primarily to organizational-level maintenance for convenience purposes, for quality assurance functions, and for truly unique equipments or equipment configurations. Further, it is estimated that the overall population of SP TMDE could be significantly reduced, leading to a reduction in logistic support costs and reprocurement costs.

2.2 SUBTASK 4A: IDENTIFY MAKES AND MODELS OF CURRENT ARMY INVENTORY TMDE THAT WILL BE REPLACED IN THE TMP

To accomplish Subtask 4A, the documents listed in Appendix A, Part I, and the draft LRs prepared by the DARCOM/TRADOC JWG were reviewed. ARINC Research assigned each LR a series of identification numbers consisting of the fiscal year in which it was planned to purchase the equipment, an LR number originally assigned by the JWG, and the equivalent ARINC Research

OTS ETE specification number, if applicable, e.g., 1984*LR12*76. The technical data in each LR were encoded and stored in the TMDE data base for subsequent comparisons with the LR's equivalent specification. In addition, the LRs for oscilloscopes and frequency counters were assigned specification numbers and processed for inclusion in the TMDE data base. The TCRL was updated to include oscilloscopes and frequency counters. These activities culminated in the determination of the minimum number of separate M/M of GP TMDE required to replace the existing GP TMDE inventory. The selected M/M can support the operations and maintenance of U.S. Army electronic systems currently fielded.

2.3 SUBTASK 4B: ESTABLISH A TIME-PHASED PLAN FOR INTRODUCING TMDE UNDER THE TMP

The Time-Phased Plan (TPP) was developed on the basis of the priorities established by the DARCOM/TRADOC JWG for each draft LR, for a given fiscal year, and review and analysis of the documents listed in Appendix A, Parts II and III. Three of these documents -- APRO 803, DARCOM-C 20-3, and DARCOM Supplement 1 to AR 700-127 -- were the main sources of information used to develop the NDI acquisition events and milestones established in the TPP. Individual existing regulatory documents describing methods or procedures applicable to the TMP NDI acquisition process were associated with a specific event, as required. However, no attempt was made to include the details of these documents in the TPP.

By use of the available data, a TMP overview, depicting major events and milestones, sequenced in time and relationship, was developed. Individual event/milestone charts for each fiscal year were also developed. TMDE families within a fiscal year were divided into quarters, with events/milestones adjusted accordingly, to define as precisely as possible the progress of the acquisition cycle over each fiscal year.

The primary concern of the TMP is the support of the user's needs. Other areas of concern are the clarification of the role of participants, the compression of the acquisition cycle, and the assurance that the TMDE meets or exceeds test/measurement requirements, is supportable, and reflects the state of the art.

2.4 SUBTASK 4C: EVALUATE THE IMPACT OF NOT DELIVERING MODERNIZED TMDE ON SCHEDULE

To accomplish Subtask 4C, the LCC and replacement data derived from the LCC Economic Analysis (EA) for selected LRs were reviewed and applicable information extracted. The EAs are currently being developed by both CERCOM and ARINC Research Corporation under Contract DAABO7-78-A-6606/BG06. From these data, the number of M/M to be replaced, the cost to retain the current inventory, the cost of the replaced item, and the potential cost savings for the life of the items were developed. Except for FY 1982, cost, replacement, and potential savings data were insufficient for an analysis.

Therefore, the data for FY 1982 were established as a baseline for projection purposes.

To develop the projection for FY 1983, 1984, and 1985, a ratio was established between the actual funds required to procure the replacement items and the funding objective and programmed level already identified. This ratio was then applied to total funds required, annual savings, 20-year life savings, and 20-year cost to retain the current inventory. On the basis of these cost categories, an average (mean) cost and a median cost per LR were developed and applied to each group of preferred items for FY 1982-1985; the extrapolations were then computed. The four categories of funding (actual funds required, CERCOM's funding objective, CERCOM's present programmed level, and a no-funding situation) form the basis for the four scenarios discussed in Chapter Three.

CHAPTER THREE

PROJECT RESULTS

3.1 RESULTS OF SUBTASK 4A: IDENTIFY MAKES AND MODELS OF CURRENT ARMY INVENTORY TMDE THAT WILL BE REPLACED IN THE TMP

3.1.1 LR Data Development

A list of 76 LRs and 73 draft LR documents was provided to ARINC Research by CERCOM. The LRs establish the requirements for the TMP. Draft LRs were not available for Signal Generators B(LR34), M(LR45), and N(LR46). The 76 LRs are listed in Table 3-1 in LR number sequence. The following data are also listed:

- Generic nomenclature (source: DARCOM/TRADOC JWG)
- ARINC Research—assigned LR number (source: DARCOM/TRADOC JWG/ ARINC Research)
- FY buy year (source: DARCOM/TRADOC JWG)
- Draft LR name and date prepared (source: DARCOM/TRADOC JWG)
- Number of M/M replaced according to LR (source: DARCOM/TRADOC JWG)
- TMDE family code, OTS ETE specification number, and date prepared (source: ARINC Research)
- Number of TCRL replacements (source: ARINC Research)
- Remarks (source: ARINC Research)

Each LR was reviewed, and its identification and tech 'cal characteristics were encoded and included in the TMDE of the base. These data are presented in Appendix D. The LRs for the sine scilloscopes (LRs 24-29) and three frequency counters (LRs 08-10) were also assigned ARINC Research specification numbers (S1 to S9, respectively) and were encoded and included in the TMDE data base. The purpose was to include replacement data for the oscilloscopes and counters in the TCRL. During the review, ARINC Research concluded that five of the LRs may not be required: LRs 19, 37, 55, 68, and 70 (see Remarks column, Table 3-1). Table 3-2 summarizes the results of the review, i.e., identifies the number of LRs with OTS ETE specifications, LRs that are not required, and LRs for which no OTS ETE specifications were developed by ARINC Research.

			Table 3	-1. LETTER	Table 3-1. LETTER REQUIREMENTS (1.R) SUMMARY TABLE	PO (1.R) SURING	NRY TABLE				
Company of the second	9	2 3	Design 10	Date Draft in	Number of M/N	THUE	OTS ETE	Date Specification	Number of TCRL Replacements	r of icements	N Jacob Co
		Year		Prepared	Replaced by LR	Code	Number	Prepared	Functional	Partial	
cable Test Set	10	1983	Cable Test Set	08/5	,	600	68	12/79	£1	\$	
Calorimeter	05	1985	Calorimeter	5/80	4	010	42	11/5	4	-	
Deviation/Modulation Meter	60	1983	Modulation Meter	2/80	•	เ	57	11/5	5	•	
Dial Equipment Test Set	3	1984	Dial Equipment Test Set	9/80	•	122	23	6/77	9	=	
Envelope Delay Test Set	3	1985	Envelope Delay Test Set	2/80	-	ole o	25	6/11	4	•	
Effor Rate Counter	50	1984	Error Bate Counter	98/9	٥	613	7.3	6/11	•	9	
Frequency Counter A	20	1961	Universal Counter	47/7	•	ar.	5.7	N/A	64	,	
Frequency Counter B In Hz - 18 GHz	ŝ	1961	Microwave Counter	*//	۰,	213	88	¥,	^	•	
Frequency Counter C 300 kHz - 18 GHz w/HF Pulse	9	1961	Microwave Counter RF Pulse	61/1	•	571	ŝ	K/N	0	3	
Frequency Meter	=	1983	Frequency Meter	2/80	_	070	47	11/5	•	•	
Impulse Noise Test Set	71	1984	Impulse Noise Test Set	5/80	_	023	2	6/33	2		
Insulation Test Set	ន	1983	Insulation Test Set	3/BD	æ	025	- 30 30	17.78	1.7	77	
Acquimmeter	7	1983	Meyohmmeter	5/80	_	673	23	11/9	ş	91	
HICFOWAVE LINK Analyzer	15	1984	Microwave Link Analyzer	5/B0	2	of o	\$	11/5	_	9	
Multimeter (Analog)	2	1987	Electronic Analog Multimeter	12/79	٠	032	N/A	N/A	•	3	Special requirement
Multimeter A (3 1/2 Digits)		7861	Digital Multimeter 3 1/2 Digits	12/79	ž	032	58	12/79	53	9	
Multimeter B (4 1/2 Digits)	81	1982	Digital Multimeter 4 1/2 Digits	11/79	ŕ	032	53	12/79	127	4	
Motive Indicator	£	1982	Noise Indicator	08/5	5	:	}	;	1	!	LR not required (see Table 2-1, Family Code 033)
Motae Loading Test Set A 12 kHz - 12.4 MHz	ą	1984	Noise Loading Test Set A	0.8/5	_	₽ £0	9 3	11/5	-	-	
Notes Loading Test Set B 300 Mz - 3,4 kHz	12	1985	Noise Loading Test Set B	2/80	-	034	3	11/5	~	•	
Mull Balance Earth Tester	22	SBK-I	Null Balance Earth Tester	08/5	~	950	31	11/1	í	ď	
Oscillographic Recorder (2 Channels)	8	1982	Oscallographic Recorder	e7/11	3	9	Ţ	רר/ר	=	ν .	
USC1110SCOpe A	24	1982	Oscilloscope DC-15 MHz	12/79	3	6,80	18	N/N	122	9	
Oscalloscope B	ş	1982	Oscilloscope UC-100 MMz	61/21	÷	8	25	N/A	08	0	
getHostope (\$	1961	Uscilloscope, Storage DC-100	47/21	^	7 60	ŝ	ď,	3	,	
Oscilloscope b	23	1967	Oscilloscope DC-200 MHz	11/79	•	060	5.5	W/N	2	e	
uscalloscope E	92	1962	Oscilloscope DC-400 MHz	12/79	'n	080	\$\$	*	2	3	
Oscilloscope P	ž	1967	Oscilloscope DC-500 MHz	12/79	٠	982	98	W.	a	9	
Pattern Genurator	34	1983	Pattern Generator	5/80	-	190	ĸ	11/11	و	91	

(continue

				Table 3-1.	(continued)						
					Number	90	3,000		Numb	Number of	
Genetic Memenchature	LR Number	Buy Year	Uraft LR Name	Draft LR Prepared	of M/H Replaced by Lk	Parily Code	Specification Number	Specification Prepared	TURL Rep	TCKL Replacements	Rumarks
Phase Jitter Mcter	=	1984	Phase Juler Meter	5/80	-	637	78	6/77		0	
Resistor Decade	20	1961	Decade Resistor	08/5	-	707	N/A	N/A	3	9	unique LR, i.e., calibration standard
Signal Generator A (Audic)	66	1982	Signal Generator, Low Frequency, Audio Oscillator	10/79	2	900	10	1771	48	33	
Signal Generator B 50 kHz - 80 MHz	2	1961	1	;	1	150	E 0	1771	٠	39	LR not available
Stynal Generator C 450 kHz = 512 MHz	şt	1982	Signal Generator, VHP	10/79	24	901	81	81/1	3	8₹	
Signal Generator E 500 MHz - 1.2 GHz	33	1982	Signal Generator, UMF	10/79	-	107	şı	3/78	,	9	Deleted by CERCOM
Signal Generator F 800 MMz - 2.4 GHz	93	1982	Signal Generator, UHF	10/79	30	107	91	81/1	13	•	
Signal Generator G 1.8 - 4.0 GHz	66	1987	Signal Generator, SHF	10/79	_	u§3	S	1/11	'n		
Signal Generator H	3	1982	Signal Generator, SHF	19/79	¢	053	કે	1/11	۵	\$	
Signal Generator I 7.0 - 11.0 GHz	;	1961	Signal Generator, SHF	UNK	4	053	40	11/1	-	•	
Signal Generator J 10.0 - 15.0 GHz	2	1982	Signal Generator, SHE	82/11		053	3 0	1/11	-	~	
Signal Generator K 2.0 - 18.0 GHz	3	1965	Signal Generator, SHF	67/11	'n	053	21	11/11	٥	=	
Signal Generator L 15.0 - 21.0 GMz	\$	1985	Signal Generator, SHF	5/80	~	053	8	1/11	7	•	
Signal Generator H 18 - 26.5 GHz	\$	1985	:	;	;	053	2	1/11	÷	•	LR not available
Signal Generator N 26.5 - 40 GHz	\$	1985		!	ì	65 0	=	1/11	~	-	Lk not available
Signal Generator (Function)	43	1982	Signal Generator, Function	11/79	51	180	19	12/79	1	:	See Table 2-1, Family Code 047
Signal Generator (Pulse)	3	1982	Signal Generator, Pulse	11/73	91	050	3	81/1	34	78	
Signal Generator Sweep A Too RMz - 110 MHz	2	1982	Signal Conerator, Sweep	11/73	s	052	ર	ננ/ז	a	91	
Signal Grantator Sweep B	95	1982	Signal Generator, Sweep	11/79	•	601	22	1/11	92	£7	
Signal Generator Sweep C	15	1985	Signal Generator, Sweep	41/11	=	049	12	1/17	£	27	
Signal Generator, Thermal Noise	2.5	1984	Signal Generator, Thermal Noise	9/80	~	950	2	1/1/	15	•	
Spectrum Analyzer A To MHz - 45 GHz	53	1961	Spectrum Analyzer	2/80	=	062	89	17/39	1	2	
Spectrum Analyzer B 4 kHz - v.l MHz	*	1983	Spectrum Analyzer	5/80	۶	090	999	5/77	٠	101	

				Teble	Table J-1. (continued)	med)					
	1	E Ì		Date	M/N 30 Request	3041	OTS ETE	Date	Number of TCRL Replacements	of cements	
CHARLE WINCH TAKE		Year	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Prepared	Replaced by LR	9 000	Number	Prepared	Functional	Partial	
Spectrum Analyzer C 100 Mz - 1.5 GHz	55	1983	Spectrum Analyzer	98/5		:	:	;	1	••	Lk not required (see Table 2-1, Femily Code 061)
Spectrum Analyzer D 15 Mg - 50 MHz	95	1963	Spectrum Analyzer	2/80	•	650	·	12/79	2	•	
Standing Wave Ratio Meter	25	1984	Standing Wave Ratio Neter (SWR)	2/80	91	690	69	11/5	77	s	
Strokoscope	98	1985	Stroboscope	9/80	_	98	56	81/1	•	7	
Teletype Test Set	65	1963	Teletype Test Set	9/80	51	690	35	3/77	61	e	
Teletype Test Set, Analyzer	09	1984	Teletype Analyzer	2/80	115	990	33	11/8	19	*	
Tumperature Indicator	61	1983	Temperature Indicator	5/80	7	070	*	1/11	0	ú	
Test Set, Semiconductor	63	1962	Test Set, Semiconductor	11/79	51	045	7	11/1	54	•	
Transission Test Set	;	1984	Transmission Test Set	2/80	•	17.0	85	6/11	•	0	
Transmission Test Set (Telephone)	99	1983	Transmission Test Set (Telephone)	9/80	53	110	16	12/79	9	25	
Iniversal Bridge	99	1984	Universal Bridge	2/80	51	800	\$2	97/1	0	11	
Vector Impedance Noter	٠,	1985	Vector Impedance Meter	2/80	-	073	8	6/11	•	-	
AC Voltaeter	3	1984	AC Voltmeter	2/80	3	ı	i	:	ŀ	!	LR not required (see Table 2-1, Family Code 076)
Voltmeter, Differential	3	1963	Differential Voltmeter	2/80	•	121	38	81/1	12	,	
Digital Voltmeter	20	1962	Digital Voltmeter	82/11		;	;	1	;	+	LR not required (see Table 2-1, Family Code 078)
Voltmeter, Frequency Selective	11	1984	Prequency Selective Voltmeter	2/80	m	017	20	11/5	•	01	
Voltmeter, Multifunction	72	1967	Pultifunction RF Voltmeter	11/39	ď	620	\$	61/11	7.7	13	
Voltmeter, True MMS 6 DB	5.2	1983	True RMS Voltmeter and DB Neter	5/80	2	080	7	12/79	\$	34	
Voltmeter, Vector	*.	1963	Vector Voltmeter	5/80	ú	₽20	8	6/11	•	7	
Mattmeter A 2 MHz = 2.3 GHz	2.5	1983	Mattmeter (10 kW)	9/90	'n	082	62	12/79	٠	•	
Mattmeter B 30 MHz - 500 MHz	92	1983	Mattmeter (500 W)	9/80	77	040	19	12/79	91	,	
Mattmeter C 1 mms - 10 cHz	77	1964	Mattmeter (10 Me)	5/80	'n	170	63	12/79	51	7	
X-Y Recorder	78	1963	X-Y Recorder	9/80	•	980	86	11/1	s	-	
Distortion Analyzer	79	1984	Distortion Analyzer	2/80	13	014	74	6/11	14	1	

Table 3-2. SU	MMARY OF LR/	SUMMARY OF LR/SPECIFICATIONS AND TWDE FAMILIES	FAMILIES
LR/Specification Status	Number of LRs	Number of TMDE Families Represented	Remarks
LRs with Specifications	09	45	31 OTS ETE Specifications do not have LRs
LRs for Which Specifications are Required			
• Oscilloscopes A Through F	9	9	LRs 24 Through 29
• Frequency Counters A Through C	т	м	LRs 08 Through 10
• Multimeter (Analog)	٦	0	P/O TMDE Family 032 LR 16
• Resistor, Decade	1	1	LR 32
Total	11	55	
LRs Not Required	5		See Table 3-1 LRs 19, 37, 55, 68, and 70
Total Number of LRs Processed	76		

3.1.2 LRs and OTS ETE Specifications

The technical characteristics of each LR and its corresponding OTS ETE specification were compared in order to determine the compatibility between documents (see Appendix E). Review of the technical characteristics indicates that some of the LR/specification combinations are incompatible. Further analysis is required to verify the status of those combinations. Since the OTS ETE specifications were developed on the basis of the availability of commercial products, those specifications with compatible LRs can be satisfied with an OTS ETE instrument. When there are disparities between the LR and the applicable specification, the availability of OTS ETE to satisfy the requirement must be determined. Further, when the date on which the specification was prepared will be more than one year earlier than the intended "FY Buy Year," the specification should be reviewed, upgraded, and validated to ensure that the item it describes is compatible with the total known or anticipated military requirements, reflects the state of the art, and can be acquired competitively. To ensure competition in the acquisition of OTS products, the technical requirements of individual LRs and specifications may have to be relaxed.

3.1.3 TMDE Cross-Reference List (TCRL)

The TCRL was updated to include frequency counters and oscilloscopes; and it now includes replacement data, by specification number and individual M/M, for all of the GP TMDE listed in the DA TMDE Register. Table 3-3 lists the data resulting from this effort, i.e., the number of separate M/M replaced, as indicated by the LRs and the TCRL. The table indicates the total number of M/M replaced by the 60 LRs that have companion OTS ETE specifications. Comparable TCRL data are shown for those specifications, as indicated by the TCRL. The difference between these two totals should be resolved in order to determine the total application of the proposed replacement TMDE and the exact number of units required to "buy out" (replace) all applicable M/M. Table 3-3 also indicates the total number of GP TMDE M/M that can be replaced by the specifications listed in the TCRL. The actual M/M and applicable specifications are listed in Appendix C.

For those instruments which are partially compatible with two or more OTS ETE specifications, as listed in Appendix C, the LR that designates their replacements must be determined with care, to ensure that a required capability is not arbitrarily removed from the field. This requirement provides further justification for determining the total application of a fielded TMDE before scheduling its replacement.

3.1.4 Minimum Number of Makes and Models (M/M)

To determine the minimum number of M/M required to replace the Army's GP TMDE inventory, the data from Tables 2-1, 3-1, 3-2, and 3-3 were reviewed. Table 3-4, which summarizes these data, indicates that 102 M/M (representing 74 TMDE families) are required. The 102 M/M can replace 1,948 individual M/M of Army GP TMDE. If the five LRs listed as not required on Table 3-2 are included, the number of M/M will increase to 107. The number of individual M/M replaced will remain the same. If the 237 M/M of SP TMDE

that were estimated to be replaceable by GP TMDE are included (see Section 2.1.3), a total of 3,185 individual M/M have the potential for replacement by the 102 M/M.

Table 3-3. LF	R AND TORL	REPLACEMEN	IT DATA
M/M Replacement Category	Number Replaced		Remarks
M/M Replaced by LRs with OTS ETE Specifications	644	Source:	60 individual LRs
M/M Replaced by OTS ETE Specifications with LRs	927	Source:	TCRL
M/M Replaced by OTS ETE Specifications for all GP TMDE Families	1,948	Source:	TCRL

	NUMBER OF MAKES A GP TMDE INVENTORY		ED TO REPI	LACE THE ARMY'S
Determined and Developed by	OTS ETE Specifications Army LRs	TMDE Families Represented		Remarks
ARINC Research	91	64	Source:	Table 2-1
DARCOM/TRADOC JWG	6	6	Source:	Table 3-1 (Oscilloscopes)
DARCOM/TRADOC JWG	3	3	Source:	Table 3-1 (Counters)
DARCOM/TRADOC JWG	1	0	Source:	Tables 3-1 and 3-2 (Multimeter, Analog)
DARCOM/TRADOC JWG	1	1	Source:	Table 3-1 (Resistor, Decade)
Total	102	74		

3.1.5 Mainframes/Plug-Ins

The number of M/M may increase over the 102/107 M/M previously determined, depending on how the TMDE procured under certain LRs are nomenclatured. For example, to satisfy LR 50 (Signal Generator Sweep C, 1 GHz to 50 GHz) a mainframe and up to six plug-ins must be procured to cover the frequency requirements. This may result in 6 M/M instead of 1 as specified by the LR. Other instruments that operate in the super high frequency (SHF) bands may be affected in a similar manner. In addition, because of the wide variety of plug-ins found in the commercial marketplace for oscilloscopes, the 6 oscilloscopes could expand to as many as 100 separate M/M.

3.2 RESULTS OF SUBTASK 4B: ESTABLISH A TIME-PHASED PLAN FOR INTRODUCTION OF TMDE UNDER THE TMP

The requirements for TMDE for the U.S. Army in the TMP are being established by LRs, which are being developed by the DARCOM/TRADOC JWG. Currently, 74 LRs have been completed in "draft" and are in various stages of the final approval process. Table 3-5 lists the draft LRs and identifies the fiscal year (FY) in which procurement is planned. The Time-Phased Plan (TPP) assumes that the LRs will be approved and the equipments acquired in the FY specified. The TPP is based on the NDI acquisition strategies described in APRO 803 and DARCOM-C 20-3, modified as necessary to adapt the process to the realities of the acquisition of OTS ETE products. The TPP establishes the overall role of each participating command. Individual participating commands should supplement the TPP, where necessary, to describe internal policies or procedures needed to complete their particular portions of the plan. The specific results of this subtask are reported in Sections 3.2.1 through 3.2.4.

3.2.1 TMP/NDI Policy

The objectives of the TMP are to improve the material readiness of existing and new Army electrical/electronic systems and to reduce the lifecycle cost of TMDE required to support those systems. These objectives will be accomplished by acquiring state-of-the-art OTS ETE to replace currently fielded TMDE. The individual responsibilities and functions of the major and subordinate commands participating in the TMP are summarized as follows:

- U.S. Army Materiel Development and Readiness Command (DARCOM).
 DARCOM is the materiel developer; it has one vote in all In-Process Review (IPR) actions for TMDE procured under the TMP.
 - •• CERCOM -- Acts as DARCOM executive agent, provides necessary inputs into Required Operational Capability (ROC)/LR documents, and initiates Basis of Issue Plan (BOIP)/Qualitative and Quantitative Personnel Requirements Information (QQPRI) actions for all procurements made under the TMP.

	·	Table 3-5. LR REQUIREMENTS BY FISCAL YEAR	
Fiscal Year	LR Number	LR Name	Date LR Prepared
1981	08	Frequency Counter A 0-500 MHz	7/79
1981	09	Frequency Counter B 10 Hz - 18 GHz	7/79
1981	10	Frequency Counter C 300 kHz - 18 GHz w/RF Pulse	7/79
1981	34	Signal Generator B 50 kHz - 80 MHz	
1981	41	Signal Generator I 7.0 - 11.0 GHz	
1982	16	Electronic Analog Multimeter	12/79
1982	17	Digital Multimeter 3 1/2 Digits	12/79
1982	18	Digital Multimeter 4 1/2 Digits	11/79
1982	70	Digital Voltmeter	11/79
1982	72	Multifunction RF Voltmeter	11/79
1982	23	Oscillographic Recorder	11/79
1982	24	Oscilloscope DC-15 MHz	12/79
1982	25	Oscilloscope DC-100 MHz	12/79
1982	26	Oscilloscope, Storage DC-100 MHz	12/79
1982	27	Oscilloscope DC-200 MHz	11/79
1982	28	Oscilloscope DC-400 MHz	12/79
1982	29	Oscilloscope DC-500 MHz	12/79
1982	47	Signal Generator, Function	11/79
1982	33	Signal Generator, Low Frequency, Audio Oscillator	10/79
1982	48	Signal Generator, Pulse	11/79
1982	39	Signal Generator, SHF 1.8 to 4.0 GHz	10/79
1982	40	Signal Generator, SHF 3.8 to 7.0 GHz	10/79
1982	42	Signal Generator, SHF 10.0 to 15.5 GHz	11/79
1982	43	Signal Generator, SHF 2.0 to 18.0 GHz	11/79
1982	49	Signal Generator, Sweep 100 kHz - 110 MHz	11/79
1982	50	Signal Generator, Sweep 10 MHz - 1.0 GHz	11/79
1982	51	Signal Generator, Sweep 10 GHz - 40.0 GHz	11/79
1982	35	Signal Generator, VHF 450 kHz - 512 MHz	10/79
1982	37	Signal Generator, UHF 500 MHz - 1.2 GHz	10/79
1982	38	Signal Generator, UHF 800 MHz - 2.4 GHz	10/79
1982	63	Test Set, Semiconductor	11/79
1983	01	Cable Test Set	5/80
1983	32	Decade Resistor	5/80
1983	63	Differential Voltmeter	5/80
1983	11	Frequency Meter	5/80
1983	13	Insulation Test Set	5/80
1983	14	Megolummeter	5/80

(continued)

		Table 3-5. (continued)	
Fiscal Year	LR Number	LR Name	Date LR Prepared
1983	03	Modulation Meter	5/80
1983	30	Pattern Generator	5/80
1983	56	Spectrum Analyzer 15 Hz to 50 kHz	5/80
1983	54	Spectrum Analyzer 4 kHz to 9.1 MHz	5/80
1983	55	Spectrum Analyzer 100 kHz to 1.5 GHz	5/80
1983	53	Spectrum Analyzer 10.0 MHz to 40.0 GHz	5/80
1983	59	Teletype Test Set	5/90
1983	61	Temperature Indicator	5/80
1983	65	Transmission Test Set (Telephone)	5/80
1983	73	True RMS Voltmeter and DB Meter	5/80
1983	74	Vector Voltmeter	5/80
1983	76	Wattmeter (500 W) 30 MHz to 500 MHz	5/80
1983	75	Wattmeter (10 kW) 2 MHz to 2.3 GHz	5/80
1983	78	X-Y Recorder	5/80
1984	68	AC Voltmeter	5/80
1984	04	Dial Equipment Test Set	5/80
1984	79	Distortion Analyzer	5/80
1984	07	Error Rate Counter	5/80
1984	71	Frequency Selective Voltmeter	5/80
1984	12	Impulse Noise Test Set	5/80
1984	15	Microwave Link Analyzer	5/80
1984	20	Noise Loading Test Set A	5/80
1984	31	Phase Jitter Meter	5/80
1984	52	Signal Generator, Thermal Noise	5/80
1984	57	Standing Wave Ratio Meter (SWR)	5/80
1984	60	Teletype Analyzer	5/80
1984	64	Transmission Test Set	5/80
1984	66	Universal Bridge	5/80
1984	77	Wattmeter (10 MW) 1 MHz to 18 GHz	5/80
1985	02	Calorimeter	5/80
1985	06	Envelope Delay Test Set	5/80
1985	19	Noise Indicator	5/80
1985	21	Noise Loading Test Set B	5/80
1985	44	Signal Generator, SHF 15 GHz to 21 GHz	5/80
1985	58	Stroboscope	5/80
1985	67	Vector Impedance meter	5/80
1985	22	Null Balance Earth Tester	5/80
1985	45	Signal Generator, SHF 18 GHz to 26.5 GHz	N/A
1985	46	Signal Generator, SHF 26.5 GHz to 40 GHz	N/A

- •• U.S. Army Communications Research and Development Command (CORADCOM) -- Provides inputs on technical matters pertaining to TMDE, as required.
- •• U.S. Army Central TMDE Activity (CTA) -- Performs the functions described in AR 750-43 and provides an interface for new requirements by coordinating these requirements with both the combat and materiel developers.
- U.S. Army Training and Doctrine Command (TRADOC). TRADOC is the combat developer; it has one vote in all IPR actions for TMDE procured under the TMP.
 - •• U.S. Army Logistics Center (LOGCEN) -- Acts as the TRADOC executive agent for all procurements made under the TMP.
 - •• U.S. Army Signal Center and Fort Gordon (USASC&FG) -- Acts as the combat developer's proponent for all actions; i.e., prepares ROCs/LRs and BOIP, prepares user Independent Evaluation Plans (IEPs), performs user evaluations, and prepares user Independent Evaluation Reports (IERs), as all these pertain to the procurement of TMDE under the TMP.
- U.S. Army Logistics Evaluation Agency (LEA). LEA represents the logistician; it has one vote in all IPR actions for TMDE procured under the TMP.

DOD policy directs the acquisition of OTS products to meet requirements whenever mission and cost constraints permit. The NDI acquisition process provides a method for acquiring OTS ETE products. This process allows the acquisition of materiel to meet authorized requirements without expending RDT&E funds and with a compressed acquisition cycle; it differs significantly from the process used for development items. Several advantages of the NDI process are: reduced logistic support cost, acquisition of state-of-the-art equipment with known reliability/compatibility, improved materiel readiness, and standardization of similar equipment types. One disadvantage in procuring an NDI system is that the Government does not dictate equipment design (minor modifications excluded).

The initial phase of the NDI process is normally managed by an Army development command and transitioned to a readiness command when the decision to buy an NDI is made. By a Memorandum of Agreement between CERCOM and CORADCOM, the total management of GP TMDE has been delegated to CERCOM. Therefore, CERCOM will act as both the materiel developer and commodity readiness command for the acquisition of OTS ETE, using the NDI acquisition process to minimize the overall cost of the TMP. When the decision is made to buy an NDI system, it will be assumed that the voting members of the participating commands (DARCOM, TRADOC, and LEA) are committed to the purchase.

3.2.2 NDI Support and Testing

NDI support and testing policies and procedures are different from those used during the normal military material acquisition process. For example, in the area of logistics support, maximum use of available contractor support is stressed, especially during the initial fielding of the equipment. This requires an evaluation of the contractor's capabilities and limitations and the establishment of an interface between the contractor's resources and the Army's logistic support system. The Army must also determine when it is most cost-effective to transition to full military support for each OTS ETE procured. In the area of testing, a market survey, backed by the military suitability evaluation, takes the place of development and operational tests. The acceptability of the product in the commercial marketplace, reinforced by discussions with users and review of user data, is established in this way rather than by developmental and operational testing performed on NDIs. Additional testing is limited to contract compliance tests, e.g., verification of technical parameters and a military user evaluation test.

3.2.3 Definitization of Requirements

Determination of whether the technical requirements of each specific LR can be satisfied by the acquisition of OTS ETE is the responsibility of CERCOM. To meet this responsibility, CERCOM will act as the interface between the Army and the ETE industry by establishing an open-door policy for all ETE representatives. CERCOM will encourage the ETE industry to continually advise the Army on new technologies, innovations, and product lines. Particular emphasis should be placed on combining functions of several TMDE families into one instrument, simplifying operating procedures, improving reliability and maintainability, and reducing calibration requirements. Establishing a continuous dialogue with the ETE industry will assist CERCOM in evaluating the ETE state of the art. Further, it will provide a forum for the Army and the industry to discuss integrated logistic support (ILS) requirements and methods for OTS ETE and to acquaint the manufacturers with TMP/NDI policies and procedures.

To determine the applicability of OTS ETE, CERCOM will make itself familiar with user requirements as defined by the existing Army TMDE inventory and by the TMDE needs of new systems being fielded. Other sources can be used to further define TMDE requirements and the impact of ETE innovations. These include Logistics Assistance Office (LAO) reports, field visits and surveys, TMDE calibration and repair data, backlog requirements, Tables of Organization and Equipment (TOEs), and Tables of Distribution and Allowance (TDAs).

Using available data as described above, as well as data from other DoD sources, CERCOM will develop OTS ETE specifications that meet or exceed known test/measurement requirements and are representative of TMDE families found in the Army. These specifications have several purposes:

- They will serve as a reference point for determining the feasibility of meeting ROC/LR requirements and replacing existing obsolete TMDE with OTS ETE.
- They will provide a document from which TRADOC can make an initial determination as to whether available OTS ETE is suitable to meet military requirements.

• They will provide the technical information source document required to make an NDI buy decision.

Because of the rapid technological changes being experienced in the electronics industry, the specifications will be reviewed and upgraded by CERCOM and reevaluated by the intended user at least every five years.

3.2.4 Time-Phased Plan (TPP)

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In the development of the TPP acquisition strategy, events, and milestones, the following assumptions were made:

- The 74 draft LRs will be approved and funded in the FY indicated in Table 3-5 (two additional LRs, i.e., Signal Generators M and N, will be developed and approved for FY 1985).
- OTS ETE are available that meet the technical requirements of the LRs.
- The overall military suitability of OTS ETE has been evaluated and determined to be adequate.
- The decision to buy OTS ETE using the NDI acquisition process has been coordinated and agreed to by the TMP decision-making body.

3.2.4.1 NDI Acquisition Management Model for OTS ETE

The NDI Acquisition Management Model for OTS ETE (see Figure 3-1) depicts a recommended approach for the procurement of OTS ETE to satisfy the requirements of the TMP. The model was used to develop the TPP. Each event/milestone (E/M) of the model is discussed below (the E/M numbers are keyed to the E/M numbers on the figure). The time period for each event is shown as the maximum time allowed for completion. In most cases the time period can be compressed if adequate resources are available and properly managed. Where applicable, the reference documents are cited and the principal responsible command(s) noted. As the model is refined, several of the documents cited or portions thereof may be eliminated. APRO 803 and DARCOM-C 20-3 should be used in conjunction with this discussion of the ETE NDI model.

From the time of approval of the LR to the time the equipment is fielded, approximately 30 months is required. This time period can probably be further compressed once the rhythm of the TMP is established and some program experience is accumulated.

E/M-1: LR Prepared and Approved

In E/M-1, the LR is prepared and approved. The BOIP and provisional QQPRI documents are prepared and approved prior to final approval of the LR. Responsibility: combat and material developers.* Reference: ARs 71-2, 71-5, 71-9, and 611-1.

^{*}Combat and materiel developers are USASC&FG and CERCOM, respectively.

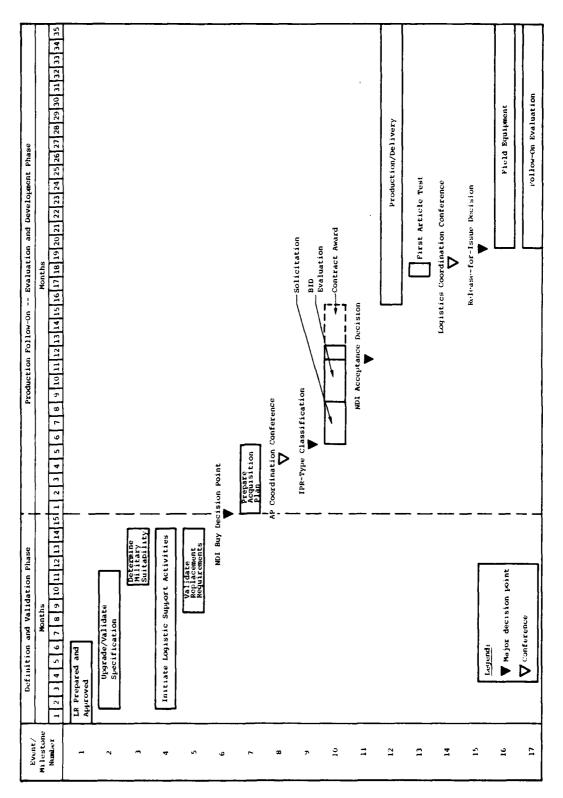


Figure 3-1. NDI ACQUISITION MANAGEMENT MODEL FOR OTS ETE

E/M-2: Upgrade/Validate Specification

E/M-2 starts with a known requirement, i.e., the LR, and determines if that requirement can be satisfied by the competitive procurement of an OTS ETE. Any existing specification that is similar to the required item must be updated to reflect the current state of the art as well as the specific requirements of the LRs. If no specifications exist, one must be prepared. The upgrading or development of specifications provides an opportunity to the developer to enhance Army test capabilities and reduce logistic support cost by combining TMDE families into one specification (if possible) and by specifying advanced, but proven, ETE. The specification is validated when at least one vendor's product can meet the stated requirements. To promote completion, it may be necessary to relax the constraints of the LR/ specification. Specifications are prepared in MIL-T-28800 format. Responsibility: materiel developer.

E/M-3: Determine Military Suitability

If the specification fully meets the requirements of the LR, this event is optional. However, if the LR has been relaxed, for example, to promote competition, it must be determined whether the specification will result in the procurement of an acceptable NDI. Responsibility: combat developer.

E/M-4: Initiate Logistic Support Activities

The objective of E/M-4 is to identify and initiate all ILS activities associated with the procurement of an OTS ETE, with specific emphasis on those documencs required in the Acquisition Plan (AP), e.g., initial Logistic Support Analysis (LSA), formulation of a system support concept. Responsibility: materiel developer. References: ARS 70-27 and 700-127, DARCOM Suppl 1 to AR 700-127, and AMCP 750-16.

E/M-5: Validate Replacement Requirements

The LR identifies those TMDE, by M/M, which will be replaced by the OTS ETE to be procured. This event is concerned with validation of the need or desirability of replacing each of these items and determination of the sequence in which they should be replaced. For example, there are more than 40 M/M of oscilloscopes being replaced by the new DC-100 MHz oscilloscope (1982*LR25*S2). The replacement sequence should be based on first replacing older oscilloscopes and those which require the greatest expenditures of O&M dollars to maintain. This is desirable since the acquisition cycle may extend over two to five years, or adequate funds may not be available for a total replacement for each TMDE family. Responsibility: materiel developer.

E/M-6: NDI Buy Decision Point

All events leading to E/M-6 were accomplished to convince the combat and materiel developers and LEA that the acquisition of an NDI will satisfy the requirements of the LR. The decision to proceed with the acquisition of an OTS ETE must carry a commitment from all members of the

decision-making body, i.e., DARCOM, LEA, and TRADOC. Minor modifications to the OTS ETE that may be required to meet LR/specification requirements are permissible, provided the modifications do not compromise the reliability or maintainability of the instrument. Responsibility: combat and materiel developers and LEA.

E/M-7: Prepare Acquisition Plan

The AP includes preparation of all the documents required to acquire, type-classify, and provide logistic support to the item that will be procured. This includes, at a minimum, the following:

- Procurement Plan and Strategy (DAR 1-2102)
- Materiel Fielding Plan (MFP) (DARCOM Suppl 1 to AR 700-127)
- Plan for Logistic Support (DARCOM Suppl 1 to AR 700-127)
- LSA (AR 700-127)
- QQPRI (AR 611-1)
- BOIP (AR 71-2)
- IEP (ARs 70-10 and 71-3)
- · Specification/Functional Description of Item to be Procured
- Follow-On Evaluation Plan/Methodology
- Request to Purchase TMDE and CTA Approval (AR 750-43)
- Training Support Plan

Included in the AP is an agreement between the combat and materiel developers and LEA on specific contract acceptance tests that will be conducted and on the warranty provisions required. Responsibility: materiel developer, with data inputs as required from other participating commands. The combat developer prepares an IEP for the user. Reference: AR 70-27.

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EM-8: Acquisition Plan Coordination Conference

The objective of E/M-8 is to review the AP and to ensure inclusion on schedule of the data required to successfully complete the type classification process at the upcoming IPR. Responsibility: material developer in coordination with the combat developer and LEA.

E/M-9: IPR-Type Classification

E/M-9 is the second major decision point/milestone in the NDI acquisition process for OTS ETE. The objective of the type-classification IPR is to document the acceptability and suitability of an OTS ETE to meet specified test/measurement requirements and to ensure its supportability. The type classification is based on the data contained in the AP and not a specific vendor's OTS ETE. Responsibility: combat and material developers and LEA. Reference: AR 71-6.

E/M-10: Solicitation and Contract Award

E/M-10 is divided into (1) solicitation, (2) bid evaluation, and (3) contract award.

- · Solicitation. The solicitation package consists of the following:
 - •• Specification or functional description
 - •• Quantity and delivery schedule required, quantity options
 - •• A commercial clause, with proof required (This is to ensure that the Army procures a proven product.)
 - Bid evaluation method, e.g., product suitability, LCC, contractor support, warranty
 - •• ILS requirements -- vendor capability/support plan
 - •• Request for product history and names, locations, and telephone numbers of customers (with emphasis on military customers)
 - •• Configuration control requirements
 - •• Other contractual information, as required
- Bid Evaluation. This consists of an independent evaluation of each vendor's response by both the combat and materiel developers. The materiel developer will determine initially which vendors' bids are technically and logistically acceptable. For products that are acceptable, the combat developer will determine the military compatibility and suitability of each offerer's product. The combat and materiel developers will jointly evaluate each vendor's support plan and product history (this will include interviewing known customers of the product). Every effort should be made to obtain from existing customers of the product statistical data on the products offered. On those products found acceptable by both the materiel and combat developers, an LCC analysis will be performed to determine the lowest cost of ownership to the Government. (See ARINC Publication 1078-02-3-1770 for suggested LCC Procurement Approach for OTS ETE.)
- Contract Award. On the basis of the various vendors' responses, the bid evaluation discussed above, and subsequent negotiations, the contract is awarded. Responsibility: materiel and combat developers.

E/M-11: NDI Acceptance Decision

E/M-ll is the third major milestone in the NDI acquisition process for OTS ETE; it consists of a signed agreement by voting members of the decision-making body. The agreement will identify those products found to be acceptable to all the voting members. A copy of the agreement will be provided to the contracting officer, who will award the contract to one of the vendors listed on the basis of the lowest cost of ownership to the Government. Responsibility: combat and material developers and LEA.

E/M-12: Production and Delivery

During E/M-12 the product is produced and delivered to the Government as specified in the contract. Responsibility: material developer.

E/M-13: First-Article Test

The first-article testing takes place at the contractor's facility and is used to verify compliance with the terms of the contract. Specific emphasis is placed on quality assurance, configuration control, and the vendor's logistic support plan. Responsibility: materiel developer.

E/M-14: Logistics Coordination Conference

All logistic support activities and plans are reviewed to determine whether the equipment is ready to be fielded. In addition, the MFP is put in final form for distribution to the commands receiving the equipment. Responsibility: material developer.

E/M-15: Release-for-Issue Decision

The release-for-issue decision is the last major decision to be made in the OTS ETE acquisition process. It is made when the program manager is completely satisfied that the materiel to be fielded meets the technical requirements and is supportable in the field. Responsibility: materiel developer in coordination with the combat developer. Reference: DARCOM-R 700-34.

E/M-16: Field Equipment

In E/M-16 the equipment is issued in accordance with applicable documents and procedures. Responsibility: materiel developer.

E/M-17: Follow-On Evaluation

The objective of the follow-on evaluation is to determine whether logistic support provided for the item is adequate and to monitor the performance of the equipment. The combat developer will evaluate the logistic support system developed for the item and inform the materiel developer of changes required for resolution. The materiel developer, through the LAOs and the U.S. Army Metrology and Calibration Center (USAMCC) and in coordination with the combat developer, will monitor the performance of the equipment in the field. These data will assist in structuring future solicitations for the TMP using the NDI acquisition process. Responsibility: combat and materiel developers.

3.2.4.2 TPP by Fiscal Year

The TPP by fiscal year (1981-1985) was developed on the basis of the OTS ETE NDI Acquisition Management Model discussed above and the LR requirements shown in Table 3-5. The LRs within a given FY were divided into

four groups to spread the acquisition process over the four quarters of the fiscal year. The LRs are not listed in priority sequence and are therefore subject to rearrangement in accordance with priorities to be established and to funding. The TPPs for FY 1981 to FY 1985 are illustrated in Figures 3-2 through 3-6, respectively. The E/M number in the left-hand margin of each figure is related to the corresponding E/M number in Figure 3-1 as discussed in subsection 3.2.4.1.

The figures are oriented to the "FY Buy Year," i.e., the fiscal year in which the Army is planning to buy the product specified in the LR. The plan for any given fiscal year requires approximately 18 quarters (54 months, or 4.5 years) to complete.

3.2.4.3 TPP Overview (OTS ETE NDI Acquisition Process)

By use of the data depicted in Figures 3-2 to 3-6, a TPP Overview (Figure 3-7) was developed for the five fiscal years currently planned for the TMP. The overview is oriented toward the "FY Buy Year" and is divided into four parts representing the four quarters in a fiscal year.

3.2.5 Implementation of the TPP

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According to the NDI Acquisition Management Model for OTS ETE, the acquisition process begins when the LR is in the final stages of approval. The LR triggers a chain of E/M that must be accomplished for each acquisition. The period depicted in the model for each event is an approximation; it can probably be reduced as experience is acquired in completing prescribed activities. In addition, a management chart that establishes dates for completing specific E/M can be developed for each LR to be satisfied. This will enable the program manager to monitor the progress for each acquisition and to position resources to overcome bottlenecks or delays.

It is probably too late to apply the NDI acquisition process to those procurements occurring in FY 1981. However, specific activities associated with those procurements (e.g., validating replacement requirements, E/M-5) can and should be implemented immediately. For those procurements planned for FY 1982 and FY 1983, those events described in the Definition and Validation Phase of the model should also be implemented immediately. Particular emphasis is required on the preparation or upgrading and validation of an OTS ETE specification for each applicable LR, the validation of replacement requirements, and the identification and preparation of those documents required for the Acquisition Plan. Sufficient resources must be allocated for these purposes if the TMP is to be successfully implemented.

3.3 RESULTS OF SUBTASK 4C: EVALUATE THE IMPACTS OF NOT DELIVERING MODERNIZED TMDE ON SCHEDULE

3.3.1 Cost and Replacement Data

Cost and replacement data for LRs identified as replacements for the current inventory in FY 1981 through FY 1985 are shown in Tables 3-6 through

3-10. Each table gives the total number of current items that are to be replaced, the total acquisition cost, the total LCC to retain the current inventory, the total LCC of the preferred item, and the resultant positive or negative cost savings derived as a benefit of the acquisition. These data were extracted from all of the LCC economic analyses (EAs) reported to CERCOM by ARINC Research and from those LCCs completed to date by CERCOM. Review of the data in the figures makes it readily apparent that there are numerous data gaps in terms of specific cost information, particularly for FY 1983, 1984, and 1985 (see Appendix F).

	M	i .	20 11 0		Bananaia)
Draft LR Name	Number of M/M Replaced By LR	Investment Cost	20-Year Cost To Retain Inventory	20-Year Cost of Preferred Item	Potential Cost Savings (+ or -)
Frequency Counter A 0 - 500 MHz	8	\$ 4,332,858	\$29,801,904	\$12,179,760	\$17,622,144
Frequency Counter B 10 Hz - 18 GHz	5	10,099,892	New Item		New Item
Frequency Counter C 300 kHz - 18 GHz w/RF Fulse	0	4,779,941	New Item		New Item
Signal Generator B 50 kHz - 80 MHz	Unknown	1,682,100	Unknown		Unknown
Signal Generator I 7.0 - 11.0 GHz	4	1,038,200	3,404,338	2,474,746	929,59

In FY 1981, two of the five items of ETE are new to the inventory and consequently would not yield any cost savings. Because of the limited number of items to be purchased and the fact that two-fifths of the items are new, it was decided to exclude the FY 1981 data from the overall projection. In addition, there was an insufficient quantity of cost data for FY 1983, 1984, and 1985. As a result, it was considered appropriate and necessary to treat the FY 1982 cost and replacement data as a baseline from which to project the cost, replacement data, and potential savings into the subsequent fiscal years.

Table 3-11 presents the initializing factors for the projections to be made of total program cost savings. Given the cost, replacement data, and funding levels of the FY 1982 LCC EAs thus far completed, a ratio was established and projected for each category. (Note: All cost data are reflected in inflated dollars based on the "Inflation Indices" provided by CERCOM.) This initial projection resulted in an average (mean) cost and a median cost within each of the cost categories per LR. For subsequent fiscal years, the total was derived by multiplying the mean cost and the median cost (or saving) by the number of LRs for the particular fiscal year. Then the ratios for funding objective and programmed-level over funds required were determined and subtotaled. This projection is portrayed in Table 3-12.

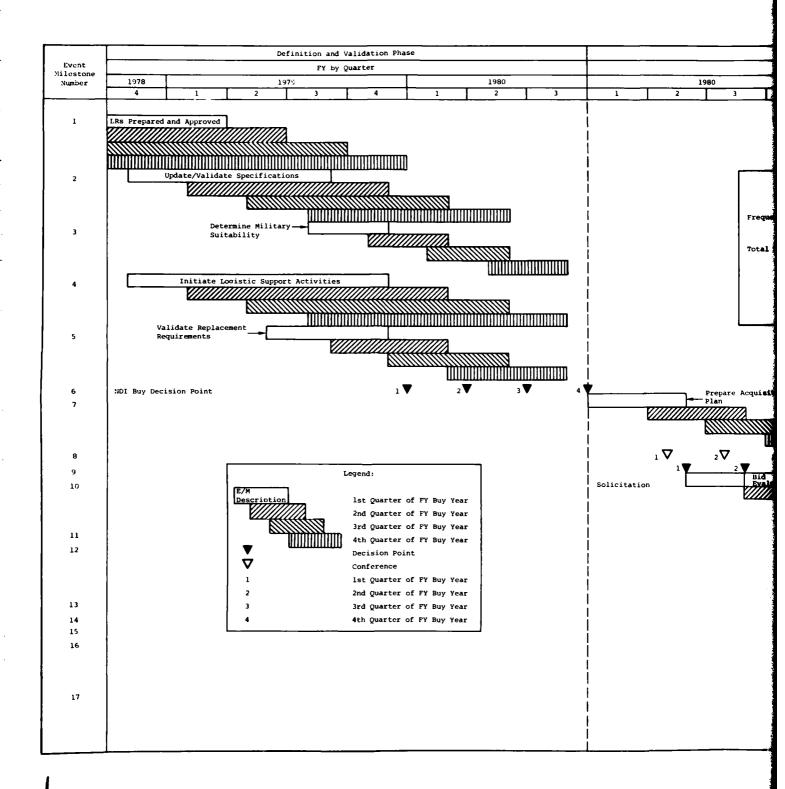
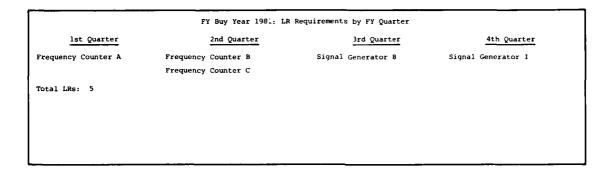
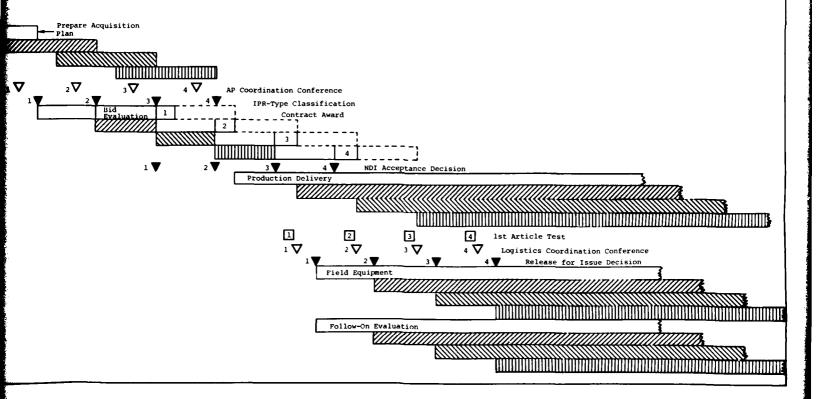


Figure 3-2. TIME-PHASED PLAN

				Production Fo	llow-On Eva	luation and D	evelopment Pha	se				
					FY by	Quarter						
19	80			19	981			19	82		19	83
2	3	4	ì	2	3	4	1	2	3	4	i i	2





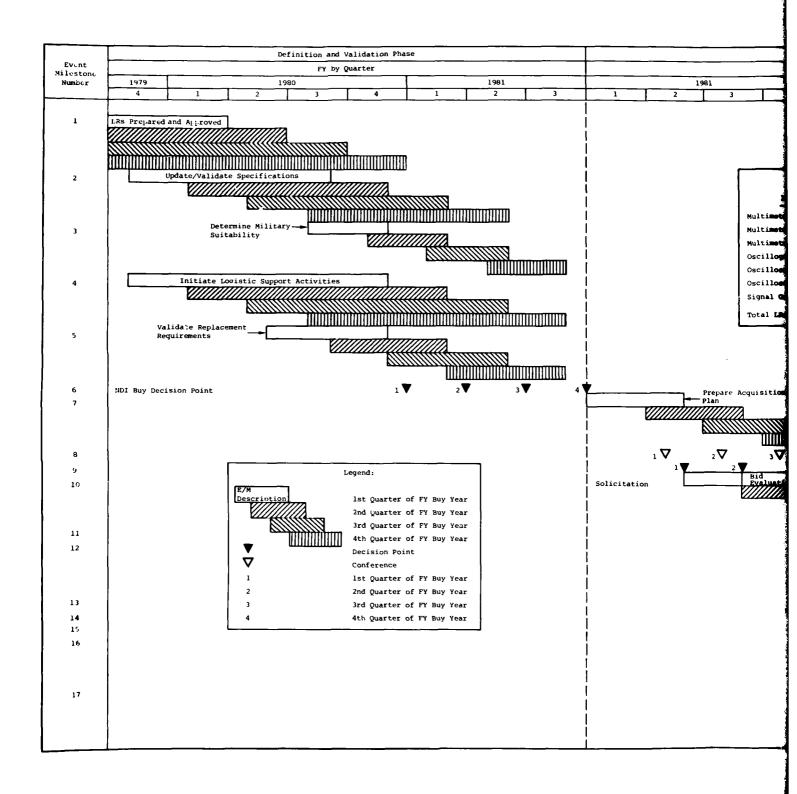
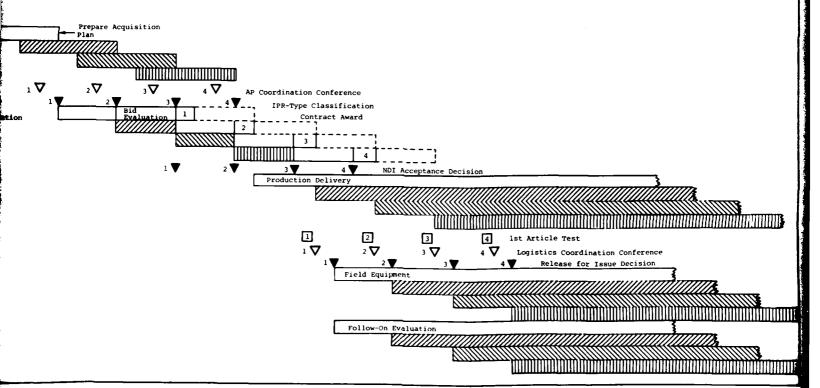


Figure 3-3. TIME-PHASED PLAN

					Production Fo	llow-On Eva	luation and D	evelopment Phas	se				
						FY by	Quarter						
	19	81			19	82			19	63		19	84
I	2	3	4	1	2	3	4	1	2	3	4	1	2

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Multimeter (Analog)	Oscilloscope C	Signal Generator E	Signal Generator, Sweep B
Multimeter A (3-1/2)	Oscilloscope D	Signal Generator F	Signal Generator, Sweep C
Multimeter B (4-1/2)	Oscilloscope E	Signal Generator G	TS, Semiconductor
Oscillographic Recorder	Oscilloscope F	Signal Generator, Function	Digital Voltmeter
Oscilloscope A	Signal Generator A	Signal Generator, Pulse	Voltmeter, Multifunction
Oscilloscope B	Signal Generator C	Signal Generator, Sweep A	Signal Generator H
Signal Generator J	Signal Generator K		



TIME-PHASED PLAN FOR FISCAL YEAR 1982

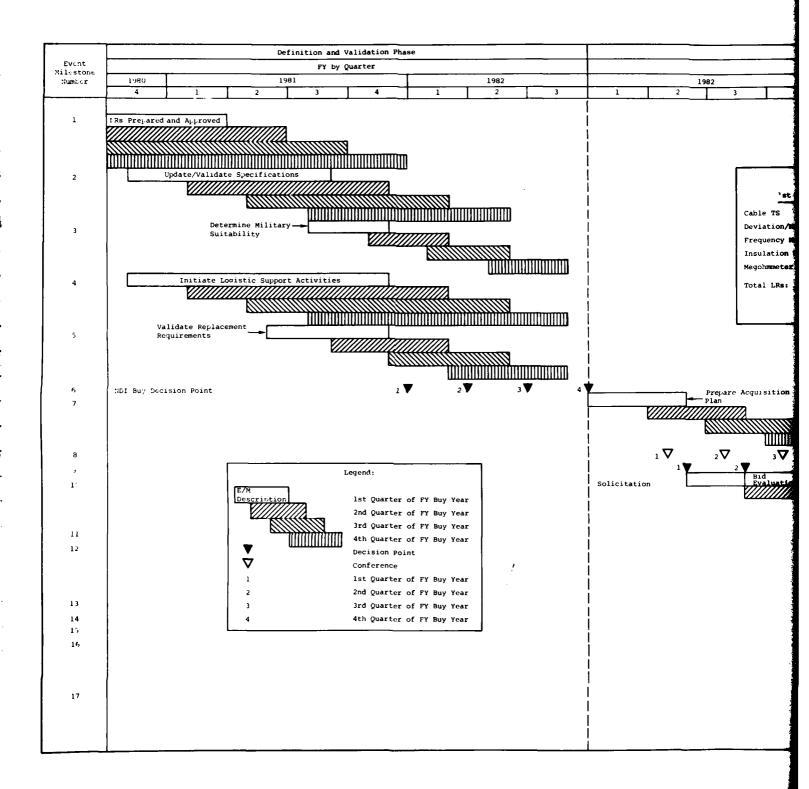
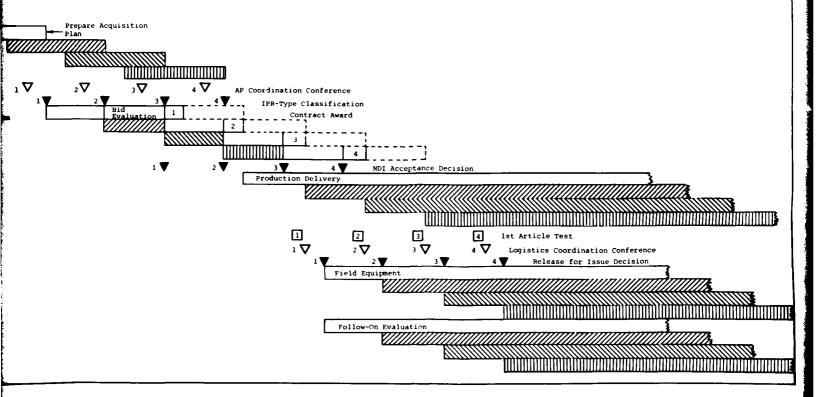


Figure 3-4. TIME-PHASED PLAN

				Production Fol	llow-On Eva	luation and De	evelopment Pha	se				
					FY by	Quarter						
19	82			19	83			19	184		19	85
2	3	4	1	2	3	4	1	2	3	4	1	2

lst Quarter	2nd Quarter	3rd Quarter	4th Quarter
Cable TS	Pattern Generator	Spectrum Analyzer D	Voltmeter, True RMS and DE
eviation/Modulation Meter	Resistor, Decade	Teletype TS	Voltmeter, Vector
requency Meter	Spectrum Analyzer A	Temperature Indicator	Wattmeter A
Insulation TS	Spectrum Analyzer B	Transmission TS (Telephone)	Wattmeter B
tegohmmeter	Spectrum Analyzer C	Voltmeter, Differential	X-Y Recorder
Total LRs: 20			
Total LRs: 20			



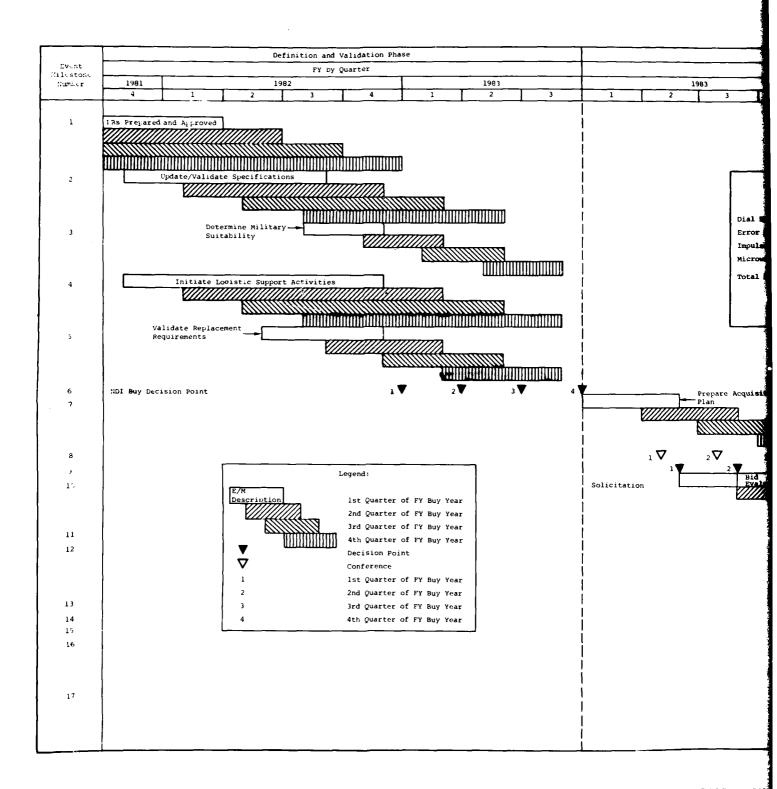
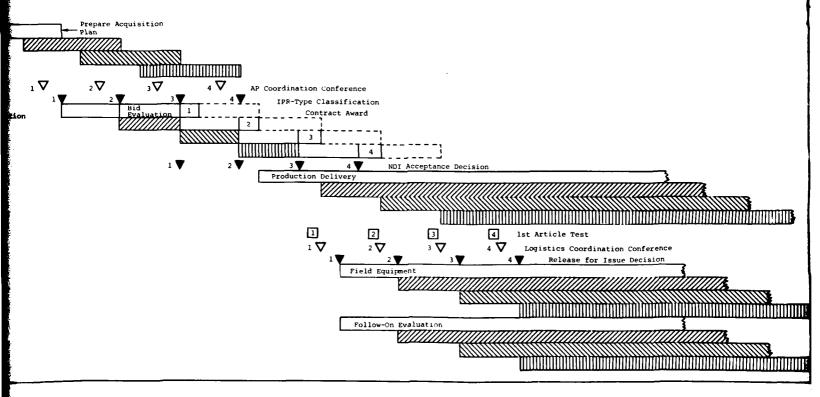


Figure 3-5. TIME-PHASED PLAN

				Production Fo	llow-On Eva	luation and De	evelopment Pha	se				
					FY by	Quarter						
19	983			19	984			19	85		19	86
2	3	4	1	2	3	4	1	2	3	4	1	2

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Dial Equipment TS	Noise Loading TS A	Teletype TS, Analyzer	Voltmeter Frequency Selector
Error Rate Counter	Phase Jitter Meter	Transmission TS	Wattmeter C
Impulse Noise TS	Signal Generator, Thermal Noise	Universal Bridge	Distortion Analyzer
Microwave Analyzer	SWR Meter	AC Voltmeter	
Total LRs: 15			



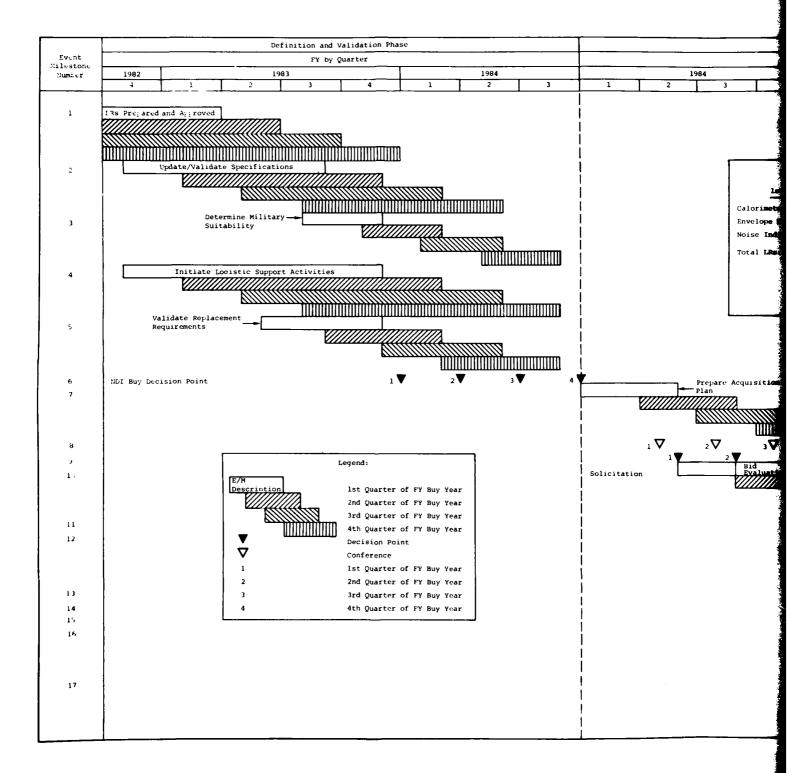
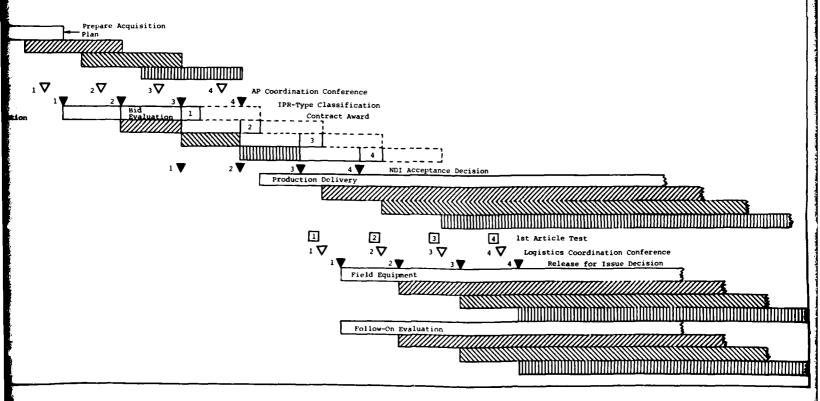


Figure 3-6. TIME-PHASED PLAN F

				Production Fol	llow-On Eva	luation and De	evelopment Phas	se				
					FY by	Quarter						
19	84			19	85			19	86		19	87
2	3	4	1	2	3	4	1	2	3	4	1	2

lst Quarter	2nd Quarter	3rd Quarter	4th Quarter
Calorimeter	Noise Loading TS B	Signal Generator M	Stroboscope
Envelope Delay TS	Null Balance Earth Tester	Signal Generator N	Vector Impedance Voltmeter
loise Indicator	Signal Generator L		
otal LRs: 10			



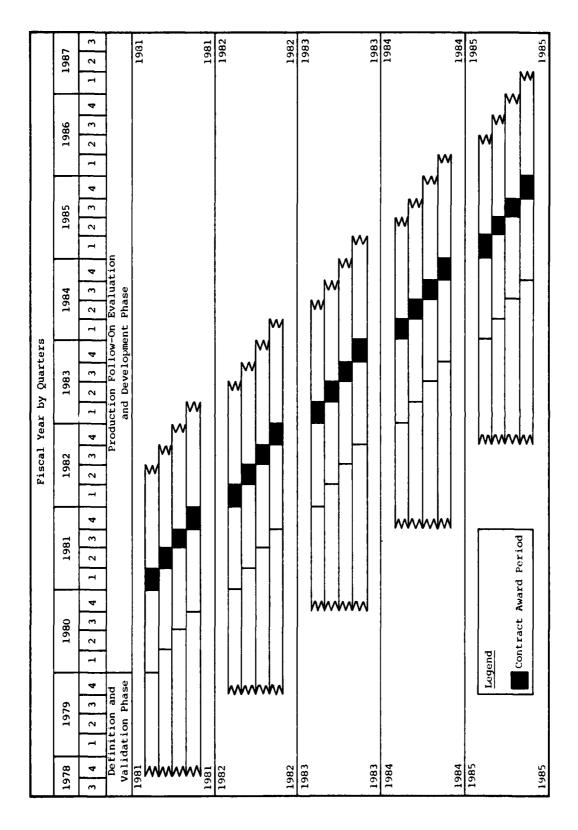


Figure 3-7. OVERVIEW OF TIME-PHASED PLAN (TPP) (OTS ETE NDI ACQUISITION PROCESS)

Table	3-7. COST AN	D REPLACEMENT	DATA FOR FY 1982		
Draft LR Name	Number of M/M Replaced By LR	Investment Cost	20-Year Cost To Retain Inventory	20-Year Cost of Preferred Item	Potential Cost Savings (+ or ~)
Electronic Analog Multimeter	6	\$ 5,911,373	\$ 277,024,514	\$ 54,073,507	\$222,951,007
Digital Multimeter 3 1/2 Digits	19	12,261,994	117,048,563	79,349,882	37,698,741
Digital Multimeter 4 1/2 Digits	9	1,344,015	28,357,599	12,133,732	16,223,867
Oscillographic Recorder	12				
Oscilloscope DC - 15 MHz	63	3,594,197	206,626,033	31,094,019	175,530,014
Oscilloscope DC - 100 MHz	43	23,463,129	472,389,351	147,610,453	324,778,898
Oscilloscope, Storage DC - 100 MHz	7				
Oscilloscope DC - 200 MHz	6				
Oscilloscope DC - 400 MHz	5				
Oscilloscope DC - 500 MHz	5				
Signal Generator, Low Frequency Audio Oscillator	42	7,202,394	99,654,585	54,685,561	44,969,024
Signal Generator, UHF 450 kHz - 512 MHz	24	7,213,238	107,395,344	52,099,152	55,806,192
Signal Generator, UHF 500 MHz - 1.2 GHz	2	605,222	14,813,046	8,371,787	6,441,259
Signal Generator, UHF 800 MHz - 2.4 GHz	8	5,704,928	42,133,890	37,569,843	4,564,047
Signal Generator, SHF 1.8 - 4.0 GHz	3	2,341,228	21,757,212	19,088,148	2,669,064
Signal Generator, SHF 3.8 - 7.0 GHz	6	4,208,458	26,931,803	28,654,462	-1,722,659
Signal Generator, SHF 10.0 - 15.0 GHz	1	182,669	4,051,171	5,365,774	-1,314,603
Signal Generator, SHF 2.0 - 18,0 GHz	5	1,146,940	5,139,556	10,768,573	-5,629,017
Signal Generator, Function	15	908,468	50,596,769	10,634,621	39,962,148
Signal Generator, Pulse	16	1,043,955	53,455,146	12,469,284	40,985,862
Signal Generator, Sweep 100 kHz - 110 MHz	5		}		
Signal Generator, Sweep 10 MHz - 1 GHz	6				
Signal Generator, Sweep 1 GHz - 40 GHz	11				
Test Set, Semiconductor	15				
Digital Voltmeter	7	3,508,974	40,706,129	25,985,911	14,810,218
Multifunction RF Voltmeter	5				
Totals	346	30,641,182	1,568,590,711	589,864,649	978,674,062

	Table 3-8. COS	T AND REPLACE	MENT DATA FOR F	Y 1983	
Draft LR Name	Number of M/M Replaced By LR	Investment Cost	20-Year Cost To Retain Inventory	20-Year Cost of Preferred Item	Potential Cost Savings (+ or -)
Cable Test Set	7				
Decade Resistor	1				
Differential Voltmeter	3		\$17,303,004	\$16,398,574	\$ 914,430
Frequency Meter	1				
Insulation Test Set	11				
Megohmmeter	3				
Modulation Meter	8				
Pattern Generator	7		21,036,380	10,324,930	10,711,450
Spectrum Analyzer 15 Hz - 50 kHz	4				
Spectrum Analyzer 4 kHz - 9.1 MHz	5				
Spectrum Analyzer 10 MHz - 40 GHz	14		49,952,261	28,533,405	21,398,856
Teletype Test Set	15	i			Į.
Temperature Indicator	2				
Transmission Test Set (Telephone)	29				
True RMS Voltmeter and DB Meter	5		P		
Vector Voltmeter	5				
Wattmeter (500 W) 30 MHz - 500 MHz	12				
Wattmeter (10 kW) 2 MHz - 2.3 GHz	5		28,069,339	19,109,336	8,960,006
X-Y Recorder	6				
Spectrum Analyzer 100 kHz - 1.5 GHz	7				

The primary fact brought out in Table 3-12 is that for a fully funded scenario, significant savings can be realized; conversely, a zero-funded scenario (no funding provided for the TMP) results in greater dollar expenditures. Thus a saving of \$4,343.07 million can be realized over a 20-year life cycle if an expenditure of \$379.94 million is made over a period of five years. An expenditure of more than \$6,961.55 million will be required to continue to support the current inventory in a "no funding" situation for the TMP. At the current programmed level of \$91.1 million for the next five years, a projected saving of only \$826.42 million is realized. The projected cost to retain the current inventory at the current programmed level amounts to a \$5,617.29 million expenditure. Even if the funding objective of \$160 million as originally established by CERCOM is achieved,

Tai	ole 3-9. COST A	ND REPLACEMEN	T DATA FOR FY 1	984	· · · · · · · · · · · · · · · · · · ·
Draft LR Name	Number of M/M Replaced By LR	Investment Cost	20-Year Cost To Retain Inventory	20-Year Cost of Preferred Item	Potential Cost Savings (+ or -)
AC Voltmeter	13	_	\$14,426,817	\$13,908,080	\$ 518,737
Dial Equipment Test Set	4				
Distortion Analyzer	12				
Error Rate Counter	6				
Frequency Selective Voltmeter	3				
Impulse Noise Test Set	1				ı
Microwave Link Analyzer	5				II.
Noise Loading Test Set A	3				
Phase Jitter Meter	4		i i		
Signal Generator, Thermal Noise	3				
Standing Wave Ratio Meter (SWR)	16				
Teletype Analyzer	15		28,069,339	19,109,336	8,960,060
Transmission Test Set	4				
Universal Bridge	15		21,769,417	15,810,230	5,959,187
Wattmeter (10 mW) 1 MHz - 18 GHz	5				

	Table 3-10.	COST AND REPL	ACEMENT DATA FOR	R FY 1985	
Draft LR Name	Number of M/M Replaced By LR	Investment Cost	20-Year Cost To Retain Inventory	20-Year Cost of Preferred Item	Potential Cost Savings (+ or -)
Calorimeter	4				
Envelope Delay Test Set	4				
Noise Indicator	5				
Noise Loading Test Set B	1				
Signal Generator, SHF 15 GHz - 21 GHz	2			1	
Stroboscope	3				
Vector Impedance Meter	1				
Null Balance Earth Tester	2				
Signal Generator, SHF 18 GHz - 26.5 GHz	Unknown				
Signal Generator, SHF 26.5 GHz - 40 GHz	Unknown				

Cost Category	Actual Funds Required	TMP Fundi Objectiv	-	TMI	Programmed Level	No Funding for TMP
Funding Levels	80.6	32.0			14.7	0
Annual Savings	61.2	19.6**			8.8**	0
20-Year Life Savings	978.7	391.5**		176.2**		0
20-Year Cost to Retain Inventory	o	941.2**	,			1,568.6
E;	xtrapolation Elem	ment	Mea per	an LR	Median per LR	
Replacement Cost				.04	3.55	
Annual Savings				.06	1.35	
20-Year Life Savings				.17	26.96	
20-Year Cost to Retain Inventory					46.36	

*Data are for 16 of the 26 FY 1982 LRs in inflated dollars.

it would result in a saving of only \$1,550.05 million, with an associated cost of \$4,476.97 million to maintain the inventory. The cost data for a fully funded program suggest a pay-back period of less than 2 years and a return of more than 11 dollars for every dollar invested for the mean, and less than 3 years and a return of more than 6 dollars for the median.

From a review of Table 3-12 it can be determined that modernized TMDE will not be available to the Army in the field, in accordance with the planned schedule, unless programmed funds are significantly increased. At present, an estimated shortfall of approximately \$290 million exists between the actual funds required and the programmed funds.

Cost data were extrapolated, by using both the average (mean) and the median from information contained in the 16 LCC EAs for FY 1982, in order to provide an expected range of costs and savings that can be realized from the TMP. In view of the limited quantity of cost data available on the 76 LRs, it was determined that this method of projecting cost data would quantify available data in the most useful way. ARINC Research believes that the actual funding required for the TMP is somewhere between the mean and the median, i.e., between \$273.95 million (median) and \$379.94 million (mean). As additional LRs are developed, the cost of the TMP will rise accordingly. It is important to continue developing cost and replacement data for all of the 76 LRs at an accelerated pace, in order to define the cost and context of the TMP accurately.

^{**}Data extrapolated on the basis of the ratios of the TMP Funding Objective and the TMP Programmed Level over the Actual Funds Required.

Fiscal Year	Number of LRs Required		l Funds Lired		unding ctive		ogrammed vel		unding TMP
			Project	ed Funding	Levels (\$ Mi)	llions)			
1981	5	21.90	(21.90)	32.00	(32.00)	22.8	(22.8)	0	(0)
1982	26	131.04	(92.30)	32.00	(32.00)	14.7	(14.7)	0	(0)
1983	20	100.80	(71.00)	32.00	(32.00)	19.1	(19.1)	0	(0)
1984	15	75.60	(53.25)	32.00	(32.00)	17.5	(17.5)	0	(0)
1985	10	50.40	(35.50)	32.00	(32.00)	17.0	(17.0)	0	(0)
Total	76	379.94	(273.95)	160.00	(160.00)	91.1	(91.1)	٥	(0)
		•	Project	ed Annual S	avings (\$ Mi]	lions)	·		<u> </u>
1982	26	79.52	(35.05)	19.09	(12,27)	8.75	(5.61)	0	(0)
1983	20	61.17	(26.96)	19.57	(12.13)	11.62	(7.28)	0	(0)
1984	15	45.88	(20.22)	19.27	(12.13)	10.55	(6.67)	0	(0)
1985	10	30.59	(13.48)	19.27	(12.13)	10.40	(6.47)	0	(0)
Total	71	217.16	(95.71)	77.20	(48.46)	41.32	(26.03)	0	(0)
			Projected	20-Year Lif	e Savings (\$	Millions)	'		·
1982	26	1,590.42	(700.96)	381.70	(245.34)	174.95	(112.15)	0	(0)
1983	20	1,223.40	(539.20)	391.49	(242.64)	232.45	(145.58)	0	(0)
1984	15	917.55	(404.40)	385.37	(242.64)	211.04	(133.45)	0	(0)
1985	10	611.70	(269.60)	391.49	(242.64)	207.98	(129.41)	0	(0)
Total	71	4,343.07	(1,914.16)	1,550.05	(973.26)	826.42	(520.59)	0	(0)
		Pro	jected 20-Yea	r Cost To R	etain Invento	ery (\$ Milli	ons)		·
1982	26	0	(0)	1,937.47	(783.48)	2,268.88	(1,012.50)	2,549.30	(1,205.36
1983	20	0	(0)	1,333.48	(509.96)	1,588.41	(676.86)	1,961.00	(927.20
1984	15	0	(0)	853.04	(278.16)	1,132.48	(465.92)	1,470.75	(695.40
1985	10	0	(0)	352.98	(46.36)	627.52	(241.07)	980.50	(463.60
Total	71	0	(0)	4,476.97	(1,617.96)	5,617.29	(2,396.35)	6,961.55	(3,291.56

3.3.2 Other Factors

From the discussion of Section 3.3.1 and from a purely economic standpoint, the choice of the appropriate course of action is a clear one, i.e.,
to fully fund the TMP. The choice is even clearer when other factors are
considered. It has been recognized in numerous documents that the present
inventory of TMDE is inadequate to support current and future weapon systems.
These new systems require advanced state-of-the-art technology that does
not exist in most of the fielded TMDE inventory; i.e., Standard A TMDE are
for the most part technically obsolete. In addition to this technical
inadequacy, the TMDE problem is further compounded by inherent obsolescence,
which has created the need for more frequent repairs and increased difficulty in accomplishing these repairs due to lack of spare parts. Many
repair parts are difficult to find and procure, because in most cases the
manufacturers are no longer producing the ETE. Logistic support, in terms
of maintenance, spare parts, and calibration, requires budgetary resources

far exceeding the limits of cost-effective operations. This condition is slowly being documented by the LCC economic analyses for each LR.

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In a recent report, published in January 1980 by the Radio Technical Commission for Aeronautics (RTCA), a distinguished panel of experts in the ETE field addressed the issue of obsolescence by stating:

"The obsolescence of existing ETE can be determined by judging technological, economic, and readiness factors. Newer, more advanced systems may require higher measurement speeds, ranges, or accuracies than available on current ETE. Quite often new technology in the operating systems demands new ETE. Economic factors require the comparison of cost of ownership between existing and new ETE. Such tangible factors as maintenance costs, measurement capability, software requirements, or training time may be substantially lower for new ETE, especially if the old ETE is faced with a new-technology application. Cases have been documented where new item purchases have been amortized in one year or less, and five-year ownership costs cut as much as 50 percent.

"Operational readiness can be jeopardized by obsolescent ETE through higher failure rates or diminished availability. Comparative factors in determining obsolescence are (a) technology, (b) cost of ownership, and (c) operational readiness.

"ETE users have had difficulty in providing costeffective logistics support for older ETE. Since there is usually a lack of funds for its replacement, older ETE that is no longer cost-effective to maintain and use tends to remain in the active inventory, creating unnecessary costs. Existing ETE may be deemed obsolescent if:

- (a) It does not economically meet new measurement requirements demanded by new technologies, and if it is not otherwise fully utilized.
- (b) A high cost of ownership results from maintenance, repair, training, software, or other operating costs which exceed corresponding costs for new ETE.
- (c) It cannot meet readiness requirements owing to diminished performance, reliability, or availability."

In addition to technical inadequacy and obsolescence, the current inventory of TMDE is plagued with proliferation. The difficulties in managing the swollen inventory present serious planning problems. Further, proliferation affects logistic support by requiring a greater range of spare parts, a larger number (by type) of technical publications, a wider variety of training programs for both operators and maintainers, and a larger number of hardware and software support packages.

To stop proliferation and improve the technical adequacy of the ETE inventory to meet advancing technological requirements, the systematic, orderly acquisition plan proposed by the TRADOC/DARCOM JWG and documented in the TPP should be fully supported and funded. A less than total commitment to the TMP would result in a serious loss in technological capability to meet existing and future requirements, considerable degradation in operational readiness and mission capability, and a waste of budgetary resources through the continuous support of obsolete, inefficient, and ineffective items of ETE.

If it is decided to support the TMP fully and make a maximum effort to program and budget the required funds for FY 1982 and beyond, a significant cost saving can be realized. In addition, technological leadership will be fostered through the acquisition of the latest state-of-the-art equipment, and combat readiness will be improved through a greater mission capability. The availability of modern OTS ETE will also make it unnecessary to rely on the weapon systems contractor for TMDE during operational and developmental testing and will significantly reduce the development of SP TMDE.

CHAPTER FOUR

CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

ARINC Research Corporation reached the following conclusions from this project on the basis of the source documents listed in Appendix A and review and analysis of the draft LRs prepared by the DARCOM/TRADOC JWG:

- The use of groups of multipurpose GP TMDE in place of SP TMDE may result in a significant cost saving (or avoidance). Further study will be required to substantiate this conclusion.
- Five of the 76 LRs -- LRs 19, 37, 55, 68, and 70 -- may not be required. Either the TMDE families associated with these LRs have been merged with other families or the technical requirements have been deleted by a CERCOM/CORADCOM working group. (See ARINC Research Publications 1076-01-3-1770, July 1978, and 1574-01-1-2076, December 1979.)
- Most of the LR/specification combinations shown in Appendix E are compatible, indicating that the LR can be satisfied with an OTS ETE. Disparities between LR/specification combinations must be resolved to ensure the availability of OTS ETE to satisfy the LR. Further, OTS ETE specifications that will be more than one year old in the intended "FY Buy Year" should be reviewed, updated, and validated to determine their compatibility with the ETE state of the art.
- The replacement data in the LRs and the TCRL, which specified the M/M that will be replaced, are not compatible. The difference between these two source documents should be resolved so that it will be possible to identify the TMDE that will be replaced by an LR, the intended application of each item being replaced, and the number of replacement units required.
- * The minimum number of M/M required to replace the U.S. Army GP TMDE inventory is 102. This number will increase if the "not required" LRs are added to the total and if each mainframe and plug-in combination required to satisfy an LR is nomenclatured separately. The 102 M/M have the potential for replacing 1,948 individual M/M of TMDE in the Army inventory.

- CERCOM should establish an OTS ETE technology base that will consist of data and trends applicable to the ETE industry. In addition, CERCOM should promote an open-door policy, act as an interface between the Army and the ETE industry, and continuously monitor TMDE requirements from the field and from new systems being developed.
- There are several existing OTS ETE specifications for which LRs have not been developed. These specifications should be reviewed and LRs should be developed as needed to further define the potential benefits of the TMP/TPP.
- The NDI acquisition process, which was used to develop the TPP, is applicable to OTS ETE and hence the TMP. Application of this process to the TMP should produce significant cost savings by eliminating the need for RDT&E funds and by compressing the overall acquisition cycle. However, the NDI acquisition process is different from that normally used by the Army to acquire materiel. It must therefore be studied and understood by members of commands participating in the TMP/TPP. Further, detailed policies and procedures must be developed to define the various roles of each participant and the means of carrying out their responsibilities.
- The TPP should be coordinated with all participating commands as soon as possible and put in final form. In addition, LRs within a given year should be arranged in priority sequence so that available resources can be focused accordingly.
- The TPP by FY provides sufficient guidance for implementing the TMP and determining initial resource requirements. It must, however, be refined further by LR priority in a given FY, and exact dates must be determined for the completion of required events and milestones.
- There were insufficient cost and replacement data for FY 1981, 1983, 1984, and 1985. The cost and replacement data for FY 1982 were therefore used as the baseline for projecting funding requirements and for determining the impact of various TMP funding levels on the Army. Table 4-1 depicts these data and shows that funding for the TMP is short by approximately \$290 million. This could result in a cost to the Government of approximately \$5,617.29 million to retain obsolete TMDE in the inventory over a 20-year period. Further, a fully funded program has a pay-back period of less than 2 years and a return of more than 11 dollars for every dollar invested. The following additional problems will be experienced by the Army if the TMP is not fully funded:
 - •• There will be continued proliferation of M/M and associated increases in logistics costs, e.g., training, spare parts inventory, and publications.
 - •• A full complement of state-of-the-art TMDE will not be available to support developmental and operational testing for new systems. This will make the program manager dependent on the end-item manufacturer for TMDE and will promote the development of SP TMDE, further complicating the Army's logistics system.

Table 4-1. TMP FY 1982-1985 FUNDING DATA* (IN MILLIONS OF DOLLARS)							
Actual Requ			unding	1	ogrammed vel	1	unding
	Projected Funding Level						
358.04	(273.95)	128	(128)	68.31	(68,3)	0	(0)
	20-Year Life Savings						
4343.07	(1914.16)	1550.05	(973.26)	826.42	(520.59)	0	(0)
	20-Year Cost to Retain Inventory						
0	(0)	4476.97	(1617.96)	5617.29	(2396.35)	6961.55	(3291.56)

^{*}Funding data (i.e., Actual Funding Level, 20-Year Life Savings, and 20-Year Cost to Retain Inventory are extrapolated to 71 LRs on the basis of currently available cost data on 16 of these LRs. The "No TMP Funding" column indicates an assumption that no funds are provided. Data in parentheses represent the median; data without parentheses represent the mean.

•• A serious loss in technology capability will be experienced, and this will affect material readiness and the ability of the Army to respond to changing requirements.

4.2 RECOMMENDATIONS

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On the basis of the foregoing conclusions, ARINC Research Corporation offers the following recommendations:

- CERCOM should continue exploring the potential cost savings that could be realized through the replacement of SP TMDE with GP TMDE.
- The DARCOM/TRADOC JWG should further evaluate the 5 LRs identified as not being required.
- Inconsistencies in replacement data between the LRs and the TCRL should be resolved so that requirements for OTS ETE can be more accurately defined.
- CERCOM should establish an open-door policy with the ETE industry and develop procedures for merging ETE innovations with Army TMDE requirements.
- Out-of-date OTS ETE specifications should be reviewed, upgraded, and validated on a scheduled basis or in accordance with the priorities established by requirements documents.

- The DARCOM/TRADOC JWG should review the identified GP TMDE families that do not have LRs and determine the need for such a document.
- The TPP should be coordinated and implemented. In addition, efforts should be made to create an awareness of the NDI acquisition strategy and to develop policies and procedures needed for completion of specific events and milestones of that strategy.
- LCC economic analyses should be completed for each LR as soon as possible so that cost and replacement data applicable to the TMP can be further defined.
- The benefits of the TMP should be reported to DARCOM, TRADOC, DA, and DoD. This can be accomplished through a series of briefings to key personnel outlining the TMP/TPP, the resources required, the potential cost savings, and the expected improvement in material readiness.

APPENDIX A

SOURCE DOCUMENTS

The documents used in the OTS ETE analysis are listed in this appendix in three parts:

- Part I ARINC Research Corporation Publications
- Part II Unofficial Documents
- Part III Official Documents

Part I - ARINC Research Corporation Publications

Title	Contract	Date	Publication Number
Phase I Final Report - Economic Analysis of Selected TMDE from the USACC PIL	DAEA 18-72-A-0005 Delivery Order 0006	August 1974	1072-01-1-1316
Phase II Final Report - Economic Analysis of Selected TMDE from the USACC PIL	DAEA 18-72-A-0005 Delivery Order 0006	November 1974	1072-01-2-1333
Phase III Final Report - Economic Analysis of Selected TMDE from the USACC PIL	DAEA 18-72-A-0005 Delivery Order 0006	May 1975	1072-02-4-1405 (Volume I) 1072-02-3-1403 (Volume II)
Engineering Review of Field Assets to Iden- tify Families of TMDE, Task l	DAEA 18-72-A-0005 Delivery Order 0007	July 1976	1073-01-1-1504
Determination of an Analysis Sequence for the TMDE Families, Task 2	DAEA 18-72-A-0005 Delivery Order 0007	August 1976	1073-01-2-1517
Determination of the Set of Characteristics of TMDE Families (Groups A through E), Task 3	DAEA 18-72-A-0005 Delivery Order 0007	September 1976	1073-01-3-1534 4-1540, 5-1549 8-1559, and 9-1567

Part I (continued)

Title	Contract	Date	Publication Number
Determination of Best Mix, Technological Forecast, and Avail- ability of Existing TMDE Families (Groups A through E), Tasks 4 and 5	DAEA 18-72-A-0005 Delivery Order 0007	November 1976	1073-01-6-1554R, 7-1553, 10-1568, 12-1573, and 15-1604
TMDE Family Specifications	DAEA 18-72-A-0005 Delivery Order 0007	January 1977	1073-01-11-1571, 13-1583, 16-1611, 17-1625, and 18-1629
Engineering Analysis and Determination of U.S. Army TMDE Requirements (Final Summary Report)	DAEA 18-72-A-0005 Delivery Order 0007	July 1977	1073-01-19-1633
Establish Project Data Base Structure for the Definitization of Specifications for Families of OTS ETE, Task 1	DAEA 18-72-A-0005 Delivery Order BG-02	December 1977	1076-01-1-1693
Review and Analysis of Technical Character- istics for the Defini- tization, Subtask 2B	DAEA 18-72-A-0005 Delivery Order BG-02	March 1978	1076-01-2-1720
Definitize and Prepare OTS ETE Specifications	DAEA 18-72-A-0005 Delivery Order BG-02	July 1978	1076-01-3-1770
Determination of a Life-Cycle-Cost Pro- curement Approach in the Selection of OTS ETE	DAEA 18-72-A-0005 Delivery Order 0011	April 1978	1078-02-1-1730
Validation of the CERCOM Life-Cycle- Cost Model	DAAB07-78-A-6606/06	November 1979	1584-01-TR-2091
Definitize Specifica- tions for Families of Off-the-Shelf Elec- tronic Test Equipment	DAAB07-78-A-6606/ 0001	December 1979	1574-01-1-2076

Part I (continued)

Title	Contract	Date	Publication Number
Fourteen (14) Military (OTS ETE) Specifications	DAAB07-78-A-6606/ 0001	December 1979	1574-01-1-2077 to 2090
Determine the Feasi- bility of Replacing Special Purpose TMDE With Off-the-Shelf Electronic Test Equipment	DAAB07-78-A-6606/03	April 1980	1581-01-1-2173 Volumes I and II
Life-Cycle-Cost Analysis of Selected TMDE Families	DAAB07-78-A-6606/06	February 1980	1584-01-1 to 25-2128
Optimize the Quantity and Types of TMDE Required to Support U.S.A. Electronic Systems at the General Support Level	DAAB07-78-A-6606/02	November 1980	To Be Determined

Part II - Unofficial Documents

- APRO 803 Acquisition Strategies for Nondevelopmental Items (NDIs), May 1979
- Commercial by Design Proceedings of the Workshop on Commercial Commodity Acquisition, January 17-19, 1978
- Draft AR 70-1, 14 December 1978
- DARCOM Letter of Instruction, Communications and Electronics Materiel Readiness Command (CERCOM), 23 December 1977
- DARCOM Letter of Instruction, Electronics Research and Development Command (ERADCOM), 23 December 1977
- CERCOM Regulation: Equipment Transition Processing, Coordination and Approval, June 1979
- Memorandum of Agreement: Uniform System for Materiel Acquisition Management (Project Control Board) between AVRADCOM, CERCOM, CORADCOM, and ERADCOM, 11 March 1979
- Memorandum of Agreement: General Purpose TMDE, between DARCOM and TRADOC,
 27 December 1976
- Master Plan for Modernization of Manual Electronic TMDE, prepared by USASCH&FG, 3 March 1980
- Recommendations on Policies and Procedures for OTS ETE Acquisition and Support, Document NQ RTCA/DO+171, January 1980

Part III - Official Documents

Army Pamphlets

DAPAM 11-25 May 1975 DAPAM 700-127 April 1979

Army Regulations

AR 70-1 1 May 1975 AR 71-2 19 April 1976 AR 71-3 8 March 1977 AR 71-6 13 July 1973 AR 310-3 26 August 1977 AR 700-127 11 April 1975 AR 750-1 1 April 1978 AR 750-43 22 September 1976

DARCOM Supplements

 Supplement 1 to AR 700-127
 20 June 1977

 Supplement 1 to AR 750-43
 18 February 1976

• DARCOM Circular

DARCOM-C 20-3 21 August 1979

DARCOM Regulation

DARCOM-R 700-34 15 June 1978

CERCOM Supplements

Supplement 1 to AR 750-43 8 October 1976

CERCOM Regulation

CERCOM-R 10-1 19 June 1978

Supply Bulletin

SB 700-20 January 1979

APPENDIX B

DESCRIPTION OF TMDE CROSS-REFERENCE LIST (TCRL)

The TMDE Cross-Reference List (TCRL) is intended as a guide for initially identifying those OTS ETE specifications which are "functionally compatible" or "partially compatible" with U.S. Army GP TMDE inventory. Under earlier contracts, ARINC Research Corporation compared the technical parameters for each item, as described in the DA TMDE Register, with the technical parameters of the OTS ETE specifications or LR developed by DARCOM/TRADOC JWG (considered a specification) and determined whether the TMDE parameters were "functionally compatible" or "partially compatible" with a particular specification. Applicable data were then encoded. The two types of compatibility are described as follows:

- "Functionally compatible" implies that the technical parameters of the TMDE are within the range of the technical parameters of the identified OTS ETE specification.
- "Partially compatible" implies that the technical parameters of the TMDE are only partially within the range of the technical parameters of the identified OTS ETE specification(s) and that more than one specification is required to provide full compatibility.

The analysis and subsequent encoding resulted in the following listings for a two-part TCRL:

- Part I OTS ETE Specification to U.S. Army General Purpose TMDE.
 Part I is an alphabetical listing of OTS ETE specifications correlated with the U.S. Army GP TMDE inventory that are either functionally compatible or partially compatible with each specification.
- Part II U.S. Army General Purpose TMDE to OTS ETE Specifications. Part II is an alphanumeric listing, by type designator or manufacturer's model number, of each U.S. Army GP TMDE considered in the analysis; it indicates by OTS ETE specification number(s) whether the TMDE is functionally or partially compatible.

The data displayed in the TCRL should be considered as representative of the potential of each OTS ETE specification for replacing GP TMDE in the Army. It is intended to serve as the starting point for estimating cost savings that can be realized from the TMP.

The original TCRL was upgraded in July 1978 and December 1979 for 7 and 18 TMDE families, respectively. GP TMDE added to the DA TMDE Register since July 1976, as listed in the April 1979 Register, were included in the TCRL as part of the SP TMDE study described in Section 2.1.3 of this report. However, the DA TMDE Register does not include all TMDE being used by the Army. The U.S. Army Central TMDE Activity (CTA) continues to identify TMDE that has not been incorporated into the register as required by AR 750-43. On the basis of the data ARINC Research Corporation has accumulated in support of the TMP, it can be reasonably estimated that there are approximately 1,000 separate M/M of Army TMDE not listed in the register. The TCRL must be considered in that light.

ARINC Research Corporation believes that the data in the TCRL are reasonably accurate. However, the TCRL is not intended to be a vehicle for "final" Army decisions. It is a starting point for determining which TMDE can be "functionally" or "partially" replaced by the acquisition of a new TMDE that conforms to the OTS ETE specification shown. In fact, it may not be desirable or possible to replace the item. Therefore, before a final decision to replace an item is made, a detailed analysis of that item is required. The TCRL could be upgraded by performing a detailed analysis of each TMDE listed and incorporating the results in the TCRL, i.e., reviewing each individual end system and TMDE technical manuals; however, we believe that this would only marginally improve the usefulness of the document. Further, as part of the acquisition process for each new TMDE, the data in the TCRL would have to be verified against the actual specification used in the solicitation to provide assurance to all concerned that the items designated for replacement should in fact be replaced. Finally, the TMDE state of the art at the time of acquisition might dictate the consolidation of families of TMDE. For example, the Sweep Generator Audio might be combined with the Generator, Signal Function. Therefore, ARINC Research Corporation does not consider it advisable to conclude the acquisition process for a new TMDE without first performing a detailed analysis and verification of the TMDE to be replaced.

APPENDIX C

TMDE CROSS-REFERENCE LIST

This appendix contains the TMDE Cross-REFERENCE LIST (TCRL); it is divided into two parts:

- Part I TCRL, OTS ETE Specification to U.S. Army General Purpose TMDE (starting on page C-3)
- Part II TCRL, U.S. Army General Purpose TMDE to OTS ETE Specification(s) (starting on page C-67)

PART I

TCRL, OTS ETE SPECIFICATION TO U.S. ARMY GENERAL PURPOSE TMDE

PAPT I CROSS-4FFFRENCE LIST GFMERAL PURPOSF THOS OTS ETF SPECIFICATIONS

SPECIFICATION MAHE NJ		TYPE DESIGNATOR	HFR. MUDEL NO.	MFR. • CODE	MUMENCLATURE	FAMILY CODE	15 E	10 NO.
ANMETER. AC CLAMP-ON 23	_	FUNCTIONALLY COMPATIBLE	COMP AT I BLE					
	Ĭ	HF 468U 4	4.28R	28480	AMMETER	700	•	6102
	ž	_	196645	65092	AMMETER	100	•	6990
	Ĭ	HE 65U	131173	28569	AMME TER	100	•	9729
		•	×	13648		200	•	1417
			PA5	69318		100	۵	1497
		•		29834		100	•	1995
			FW546	04440		032	#	6742
			155	26059	AMMETER AC	100	•	2046
			373	55026		100	•	370%
		•	4334	26059	AMME TER	100	•	1451
		•	4338	26059		100	•	1953
		•	4312906005	65092	AMMETER AC	100	z	4547
		PARFIALLY COMPATIBLE	PATIBLE					
	¥	ANUSH262 5	560701012	33441	AMMETER	100	•	9640
	ŧ	ANUSM 3 3		65072	HUL TITE STER	700	•	+1+0
	¥	ME 221U 2	253983	65092		100	•	9684
		•	AC1	13648	AMMETER AC	100	z	4024
		•	AK4	03927		700	•	3686
		<	AK4	24446	HUL TIMETER	700	æ	966
		3 5 (HSIA	92400		100	•	1993
			RS3	15566		035	3	203
		e x (RS3A	15566	MULTIMETER	032	e	1 304
		x	K 5 300	19966	METER AC VOLT ANNETER	100	.	1 30
			3100	60741	MULTIMETER	035	æ :	1.53
		-	97.0	65092	ANNE TER AC/OC	100	z (4246
			458A	09497	H CLL I AME I E R	100	\$	9107
		•	9042905005	65092	ANNETER AC	700	s Z	1248
		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
		FUNCTIONALLY COOPALIBLE	COOFALIBLE					
	1.5	T52677FRH 2	22821	50040	50040 SUUND MEASURING SET	004	w	1208
		PARTIALLY COMPATIBLE	PATIALE					
	×	011150NA	651A	80138		004	بد	0110
		-	1133	07387	WAITHETER ULTRASONIC	400	Z u	8715
			17716	24455	METERS LEVEL			1771
		•	171117	11019	ANALIST JUUR JUJUEN	· >		

GENERAL PURPUSE INDE DIS ETE SPECIFICATIONS PART 1 CRUSS-REFERENCE LIST

SPECIFICATION NAME AUDIO OSCILLATOR

LTR 10 NG.	A 0342 A 0498 A 0498 A 3720							
3000	\$ 9 9 0 0 9 0 0 0 0	900 900 900	900	4 4 4 4 4 6 4 4 6 6 6 6				
						90 L	1 D M	ENERATOR SIGNAL SIGNAL EST DSCILLATOR FOR ATOR SIGNAL FOR RATOR SIGNAL FOR
TURE	R SIGNAL R SIGNAL R SIGNAL DR AUDIO	OR DR JLLATOR R SIGNAL	RAIGNAL	DSCILLATOR AF GENERATOR SIGNAL TEST OSCILLATOR	DR AF TICKATOR TICKATOR TICKATOR R SIGNAL R SIGNAL R SIGNAL R SIGNAL R SIGNAL	DSCILLATOR AFTER STORMER OF STORM	THE STATE OF THE S	STORMER STORME
NUME NC LATURE	GENERATOR SIGNAL GENERATOR SIGNAL GENERATOR SIGNAL OSCILLATOR AUDIO	OSCILLATOR OSCILLATOR TEST USCILLATOR GENERATOR SIGNAL	GENERATOR SIGNAL	USCELLATUR AF Generator Signal Test dscillator Generator Signal	CENERATOR SIGNAL TEST OSCILLATOR GENERATOR SIGNAL GENERATOR SIGNAL GENERATOR SIGNAL GENERATOR SIGNAL GENERATOR SIGNAL GENERATOR SIGNAL	6	GENERATOR SIGN GENERATOR SIGN	CENERATOR CENERA
3000	51865 24655 24655 24655 28480	24655 28480 28480	24655	28480	28480 28480 28480 28480 28480 28480 28480	28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480 28480	2 2 4 4 4 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28480 2840 284
DESIGNATOR HFR. MODEL MO. FUNCTIONALLY COMPATIBLE	121888 13108 20088R	1302A 209A 654A 5490	1107A 201C	2048H07 650A 2025R	2048HD7 650A 202C 204C 2048 204802 204801 231A	2048H07 650A 650A 202C 2048 204802 204801 231A 211A 211A 652A 652A 652A	2048H07 650A 202CR 202CR 2048 204801 231A 231A 231A 251A 6518002 6518002 200CR 230CR	2048H07 650A 202CR 202C 204802 204801 233A 233A 233A 233A 652A 233A 652A 652A 652A 652A 652A 652A 652A 652
TYPE DESIGNATOR FUNCTIONALLY	ANURM1 27 ANUSM253 ANUSM269 0450U	7850U 561023U 561128U 5615PCM	5642URH18 56510U	56543AU 5657BU 56590U	66541AU 5657BU 5657BU 5657U 5671ZAU 5671ZAU 5671ZAU	\$6541AU \$6578U \$6671U \$6671U \$6672AU \$6672U \$671HFCC \$671HFCC \$671HCC \$671CC \$6761U	66541AU 66541AU 66621U 66621U 66621U 66621U 66632U 6671EC 6671EC 6671EC 6671U 6671U 6671U 6671U 6770U 6771U 6771U 6771U 6771U 6771U	66543AU 6657AU 6663ZAU 6663ZAU 6663ZAU 6673ZAU 6673ZAU 6673ZAU 6673ZAU 6673ZAU 6673AU 6673AU 6673AU 6771U 6
£ =	<u> </u>	5 2 2 3 S S S S S S S S S S S S S S S S S	<u> </u>	2 0 ¢	2 2 2 2 2 2 2 2 2 4 4 4 4 4 4 4 4 4 4 4			;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;

PART I CRISS-AFFRENCE LIST GEMFRAL PUPPIST IMDE DIS FITE SPECIFICATIONS

SPECIFICATION WANT N	2 =	TYPE DESIGNATOR	MFR. MODEL NO.	HFR. CODE	NUME NCL A TURE	FAMILY	45 T	0 0
AUDIO OSCILLATUR	10	F UNC T I ONALLY	V COMPATIBLE					
			1 30 7A	24655		900	<	7(8)
			1311A	24655	OSCILLATOR AUDIO	900	<	2563
			200A	28480	AUDIO OSCILLATOR	900	۷.	1633
			2007	08487	CONTINUE ACTION	8	< <	1 2 2 2
			20108060	29480		900	<	1634
			208A	28480	OSCILLATOR ELECTRONIC	900	<	1637
			4504A	28480	OSCILLATOR DIGITAL	900	۷	1845
			651A 6518	28480	TEST SET OSCILLATOR DSCILLATOR IEST	000 000	< <	1867
		PARTIALLY COMPATIBLE	DHPATIBLE				i	
	7	ANGPMSO	606A	28480	GENERATOR SIGNAL	051	•	5210
	Z	ANCRHSOA	115074	28480		150	<	5210
	Z	ANGRH508	606AC15	28480		150	<	9/10
	Z	ANGRASOC	921A	13013	GENFRATOR SIGNAL	150	<	0177
	Ž	ANURM2580	315	21900		150	4	0341
	Z	ANURH25F	1620003	92426		150	⋖	2460
	Z	ANURM25H	152261	96199	GENFRATOR SIGNAL	150	4	6363
	4	ANIIPH25J	,	26648		051	⋖	0344
	Z :	ANURM9)	245A	10640	RADIO	051	۷.	720
	2 3	ANGERSON	04.5	10560	FULTAGE STANDARD RADIO FRED	0.21	٠ .	8720
	2 2	ARUSHCO3 ANISH205A	6.205.k	09447	CENERALUR SIGNAL	900	< <	6640
		ANUS M 2 1 2	754006.2001	1 14 00		140	٠ <	2770
	. ×	Artis M2 72	191	80009		150	<	0501
	20	26200	658	14140	SIGNAL GENERATOR	051	<	0825
	20	SG 121AU		60063	CENFRATOR SIGNAL	047	<	0845
	20	5G721RU		24635		250	∢	0846
	3	563210	5533	83563		250	⋖ -	0844
	2	SG4 795RM50	606A	28480		051	⋖ •	0456
	2 5	011636	606A	08487	GENERATUR STONAL HE	150	< ⋅	# C # C
	2 2	15420AU	765	64959	T S Tet (PADNE	900	٠ <	1014
	2	542080	792	64959	T S TELEPHONE	900	<	1015
	1.5	24200	76A	64459	T S TELEPHONE	900	<	1013
			F 5 3 A	07421	GENERATOR SIGNAL	900	∢	1599
			13108	24655	DSCILLATOR	900	<	1056
			1344	19512	USCILLATOR AUDIO RF	047	<	3341
			190A	80008		051	<	16.12
			1008	80000	GENTRATOR SINE MAVE	150	⋖	1647
			2028	28480	CONVERTER FRED	150	٠.	69/1
			1110	1.01.07	STRICE SIZER URIVER	150	٠ ٠	
			21240	28480	CANERATIN SIGNAL	150	< <	1643
			7777	20102	י ז ראוע אנ זרטחטב	100	E	-

GENERAL PUPPISE THUE OTS FTE SPECIFICATIONS PAPE 1 CAUSS-REFERENCE LIST

SPECIFICATION MANE	SPF C	TYPE DESIGNATOR MFR. MODEL NO.	MFR. MODEL NO.	MFR. CODE	NOMEMCLATURE	FAMILY CODE	69 L T R	10 NO.
AUDIO OSCILLATOR	ī	PARTIALLY COMPATIBLE	1PATIBLE					
			86608 866018	28480	SYNTHESIZED SIGNAL GENERATUR	101	< 4	2073
			8708A	28480	GENERATOR SIGNAL P I SYNCHRONIZER	106	< <	1902
AUDIO SYSTEM 1751 SFT	=	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			203351	49675	INDICATOR ASSY FLUTTER	7115	٥	0585
		.	FL 301	8 300 3	METER FLUTTER AND HOW	211	٥ (0690
		0+6234	BLOOAW	12578	T S SOUND RECORDING	711	-	2325
		PARTIALLY COMPATIBLE	HPAT IBLE					
			0 - 18 2 B	14140	HETER AUDIO LEVEL	005	٥	0102
		1528544583	09636900601A	22915	T S RECORDER	711	٥	2171
BRIDGE. UNIVERSAL	22	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
•			402070204	83777	T S CAPACITANCE INDUCTANCE RESISTAN	800	•	9375
		53	300	11837	BRIDGE VOLTAGE RESISTANCE	800	æ :	96.50
			CDB3	93790	ANCE	110	z (211.0
		/#11#7		12010	BRIDGE CAPACITANCE INDUCTANCE RESIS	800	æ æ	1277
			717	13259	CAPACITANCE INDUCTANCE	000	• •	9771
				17569	R CAPACITUR	110	•	7/21
		7#16		\$4594	•	110	e	1771
		74440	301SL	66150	BRIDGE RESISTANCE	900	æ	1274
			0010	06140		800	£ 0	222
		=	2508	28480		800	c ec	1244
			DS45C4R	8 # 86 9	IMPEDANCE	800	€	1645
		Deym!	16569701	24655	IMPEDANCE	900	æ	36.10
			2500E	11837		000	=	1286
		01/4/	47.60A	28540	RRIDGE HAPTUANCE BULDCE DISTANCE DICTAL	# 6 0 0 0	£ 6	787
			1000	077.10	TONE BRIDGE	800	: z	200 5
		_	E 1002	07239		900	æ	3267
			63108	07239	BRIDGE PUSISTANCE	000	æ	1245
			33	56289	I S CAPACITOR COMPACI	110	•	1300
			582280	11837	IMPEDANCE MEASURING SYSTEM	270	£	24.26
			0182	19482	IMPEDANCE RPIDGE MICH FRED	800	•	1562
			V 191	24655	BRIDGE CAPACITANCE	900	x	1385
			1615AM	24655	CAPACITANCE BRIDGE	110	4 5 (2570
			1620A	24655		110	E 6	1757
			1612	24655	RRIDGE INDOCTANCE		F 4	2252
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PAPE 1 CRUSS-REE RENCE LIST

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SPECIFICATION NAME	145	TYPE DESIGNATOR		NFR. HODEL NO.	MD. CODE	NOMENCLATURE	FAMILY	C. L.I.R.	.0 M 01
SPIDGE, UNIVERSAL	۲,	FUNCTIO	NALLY C	FUNCTIONALLY COMPATIBLE					
			~	2 7 0 0	09553		800	•	1487
			5	2904MOD	118	IMPFDAR	900	6	3350
			=	315A	11837	RR I DGE	008	•	3542
			5.	5430A	31922	BR IDGE	800	æ	1949
			2	7040	19409	TESTER	025	-	0741
			7	2116	24655	BR I DCE	011	æ	1367
			750	c	10640	II BRIDGE CAPACITANCE	008	z	2111
		PARTIAL	PARTIALLY COMPATIBLE	ATIBLE					
			9.6	9.60	93790	O TESTER CAPACITOR RESISTOR	011	60	1289
			£	€ 3067	07239	POICHT	800	6 0	1982
			8	ZRZA	00740		011	æ	1314
			2	10375	15529		900	æ	1 502
			=	1050	28009			6 2	9761
			=	1080	60082			æ (1179
			2 :	1212A	24655		800	s	171
			≂;	2318	11837		900	E 0	767.
			Ç	25UA	10740	J. Briek K.A.	770	0 2	1234
			Ξ;	JR 5A	92044		000	2 4	1764
			2 7	1/24	77616	90 L 000	000	•	£ 5.
			7 5	5305	77611	WHEATS	000	=	1414
				,					
CARLE TEST SET LEDVI	£	F UNCT IO	NALLY C	FUNCTIONALLY COMPATIBLE					
		ANUSH437V1	1.5	150304	8000B		600	z	4839
		0460198	\$52	~	60009		600		9680
		101160PU	22	7512	80009		600		1541
			20	OC 1001PL	82389			z	1584
			125	~	80009				6191
			1.	14154	28480				1658
			15	1501323	80009		600	.	1 34 1
				1502	60000		600	<u>u</u> :	1 38 2
				1503	90009		600	z	0.7.
			£	.815A	28480		600		1664
			ונ	710	80008		600		7/91
			4	4004A	28480		600	Z Z	0484
			•	4.91.0A	28480	SO LUCATUP DPEN FAULT	600	E	1004
		PARTIAL	PARTIALLY COMPATIBLE	ATIBLE					
		TSTIAZE	3	41014	28480	SO LUCATOR CARLE FAULT	600	w	1228
		15 1406710	. .	4010F	28480		600	ш	1415
			1.5	1580A	28480		600	ш,	1383
			₹	49108	28480	30 LOCATOR OPEN FAULT	600	-	15

01/10/70		

PART I CROSS-RFFERENCE LIST							10	04/10//0
GENERAL PURPOSE INDE DTS ETE	SPFCI	PECIFICATIONS						
SPECIFICATION NAME	SPFC	TYPE DESIGNATOR	MFR. MODEL NO.	HFR. CODE	NOME NCL A TUR E	FAHILY CODE	CP LTR	10 NU.
CANLE TEST SET (TOR)	8	PARTIALLY COMPATIBLE	JMPATIBLE					
			49134	28480	28480 TEST DESK FAULT LOCATUR	600	z	4558
CALORINETER	45	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		ANUSH83	HC18 V403014B 434A	94987 99313 28480	MATTMETER CALORIMETRIC CALORIMETER CALORIMETER DIL IVPE 10 MATTS	010 010 010	υzυ	0433 4129 1731
		PARTIALLY COMPATIBLE	HPAFIBLE					
			71.CG100K	91161	91161 HATTHETER CALORIMETRIC	010	ں	1796
DAIL EQUIPHENT TEST SET	2	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		ANTSH86	9002660000	83744	SIGNALING TEST SET	771	٥	2386
		ANTSMBEA	9002660000	83744	TELEPHONE T S	122	0	2870
		153176USN373	115268	06819	T S PULSE SIGNALING	771	ء د	1226
		15 36290	8/0/8	100171	COLCA CHECK TEST SET	221	ء د	7363
			118 128	78957	T S PULSE SPEED AND PERCENT MAKE	721	- 0	2370
		PARTIALLY CI	COMPATIBLE					
		TS27ATSH	113003			032	•	1 560
		1527BTSM	ETS278	00798	T S TFLEPHONE	260	æ	0958
		152758	U155237 TTS4ANHRV	95104	1 S IELEPHONE	2 C O	۰ ۵	1273
		1511780	194002020	64959		122	æ	1221
			CHC714XY	27634	×	122	z	4915
			1987050	94156		771	z	(16)
			TT11110A	50137	T S TELFPHUNE	170	5	2364
			4884	100141	T C DIS CINC - INITS	222	- د	2012
			1.36 2.5	04773	SIGNAL TEST SET	721	. 0	2112
DATA ERRUR IFST SFF	22	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		ANGCH	DACS	64959	T S TELFPHONE	013	0	3542
		1534780	1200	50572		013	٠:	2340
		1536410	7002 1645A	71417	CUUNIEK EKKUK KATE Analyzer data error	613	z 0	1662
			3780A	28480		613	z	4661
			7003 901	51277	ANALYZER EKKUK BII TESTER BIT ERROR RATE	610		7 96 2

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VP1 (161) ATTIM NAME	SPF C	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NUMENCLATURE	FAMILY	GP LTR	10 NO.
DISTORTION ANALYZER	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANURH 180	3 3 3 A	26480	INDICATOR DISTORTION	\$10	0	0403
		ANURHERA	334AC 10001	28480	DISTORTION ANALYZER	01	0	9050
		ANURA184A	334401610	28480	ANALYZER DISTORTION	10	9	040
		ANUSH259	3314	28480	ANALYZER DISTORTION	014	-	2650
		HE 1530	1932A	24655		014	0	9678
		HE 336URM	332A	28480	INDICATOR DISTORTION	510	-	9690
		1523946	331AR	28480		014	0	161
		TS 723AU	3308	28480	ANALYZER SPECTRUM	014	0	1033
		1572380	36A	14140	ANALYZER SPECTRUM	1 10	0	1004
		1572300	10000	99395	ANALYZER SPECTRUM	014	۰ د	1095
		TS 72 30 U	10000	99395		* 10	ه د	9601
		157230	3308	28480	ANALTZER SPECIFOR	1	5 6	24.03
			61008	12578		10	z	4421
		PARTIALLY CO	COMPATIBLE					
			V Z H 3	04598	D4598 SET DISTORTION MEASURING	\$10	0	1616
ENVELOPE DELAY TEST SFT	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		15219546	1404	9444	FNVFLIDF BFLAY T S	910	a	1196
			3408	94668	ENVELUPE DELAY T	910	۵.	1195
		N)S	4908	03860	MEASURING SET ENVELOPF DELAY	910	9	1507
		1526696CH	490A	03860	MEASURING SET ENVELOPE DELAY DISTOR	910	۵	9021
FIELD STRENGTH HFTER A	4	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		HF 61GRC9		80063		043	۰	9990
			NH1727	88869		043	، ن	1782
			NM261	88869	ELECTROMAGNETIC NUISE METER METER ENI FIELD INTENSITY	643	υZ	4888
		PARTIALLY COMPATIBLE	HPATIBLE					
		ANURM178	EMC25R	18281	RADIO INTERFERENCE MEASURING SET	043	ں	0405
				88869	RADIO INTERFERENCE MEASURING	043	J	0352
			NH30A	88869	RADIO INTERFERENCE MEASURING	043	ပ	0353
			218	06053	RADIO INTEPFERENCE MEASURING SET	043	۰	0354
		ANUR11501	NF 105	16665	MEASURING SET RADIO INTERFERENCE	043	، ن	3724
		ANURMS		16665	RADIO INTERFERENCE MEASURING SET	5	ں ر	0371
			14275	10000	DE A SUX LAG	[5 0	ن ر	9760
			59	14140		070	ں,	1763

PART I CRUSS-REFERENCE LIST General puppins tade ats specifications

SPECIFICATION NAME	SPEC NO	TYPE DESIGNATOR HFR. HODEL NO.	HFR. CODE NOMENCLATURE	FAMILY GP CODE LT	~	10 × 0.
FIELD STRENGTH HETFR B	+	FUNCTIONALLY COMPATIBLE				
		NH3757 5024	88869 WETFR EMI FIELD INTENSITY 2090s T S STABILITY	043	ں ن	1784 2104
		PARTIALLY COMPATIBLE				
		ANURH178 ENC25R	18581 RADID INTERFERENCE MEASURING SET	043		2040
			RADIO INTERFERENCE NEASURING			0353
		ANUMASOL NF.105	KADIO INTERFERENCE MEASURING MEASURING SET RADIO INTERFERE			3724
		ANURHB5 Anurhb5a	16665 RADIO INTERFERENCE NEASURING SET 16665 RADIO INTERFERENCE NEASURING SET	043		0372 0372
		ANURN91 1N275 59	39040 METER FIELD STRENGTH 14140 Heter Grid dip		ں ں	0376 1763
FIFLD STRFNGTH HETFR C	\$	FUNCTIONALLY COMPATIBLE				
		ANUSH227 NF157	03782 HEASURING SET POWER DENSITY	043	Û	0484
		PARTIALLY COMPATIBLE				
		EHA910	88869 HETER RADIO INTERFER AND FIELD INTE	043	U	2352
FIELD STRFNGF!! MFTFR D	ę	FUNCTIONALLY COMPATIBLE				
		CFIN EMAGIO TCB	82199 TUNING UNIT PLUG-IN 88869 HETER RADID INTERFER AND FIELD INTE 82199 HICROWAVE FIELD INTENSITY METER	043	zuz	4133 2352 4132
		PARTIALLY COMPATIBLE				
		ANUSH227 HF157	03782 HEASURING SET POWER DENSITY	043	Ü	1810
FREG CNIRE 300KH/-IRGHZ RF PUL	\$9	FUNCTIONALLY COMPASSBLE				
		CV234URM 2590B 2590A 5255A	2848D CUNVERTER FREQUENCY 2848D CUNVERTER FREQ ELEC 2848D FREO CUNVERTER	125 125 125		3727 2012 2231
FREGUENCY COUNTERFIGH! 10 18G	88	FUNCTIONALLY COMPATIBLE				
		CH77AUSH 540R CH77USH 5100B5110N CP77AU 5245L CY2001AU 5254B	28480 COMPARATUR FREGUENCY 28480 COUNTER ELEC DIGITAL 28480 COUNTER FLEC 28480 CONVERTER FREG	019 019 019 019		0547 4938 0550 0548 0556

PART I CROSS-REFERENCE LIST General purpose imoe ots ete specifications

SPECIFICATION NAME	SPEC	C TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	MOHENCLATURE	FAHILY	52 1. TR	. ON G.
FRFOUENCY COUNTFREIGHZ TO 18G	86 58		FUNCTIONALLY COMPATIBLE					
		CV20038U	5254C	28480	CONVERTER FRED ELEC	610		3540
		101373GR	950	14814	INDICATOR DIGITAL DISPLAY STRAIN GA	610		0589
		PL1320U	5257A	28480	ELFC TEST COUIP P 1	610		9080
		101225710	5340A	28480	COUNTER MICRONAVE FRED	610		2240
			2020	1000		610		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
			1232A	11940	USCILLATUR TRANSFER	7		1715
			2007 2101	00107	TREE DIVIDER			1117
			6116A	11890	USCILLATOR TRANSFER COUNTER ELEC DUAL	610		2245
FREQUENCY HETER A	;	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		•		1		į	;	
		FR-40/65M-1	21.982	20950	FREQUENCY METER	020	z 1	2285
		1400000	PFH6048	03927		020	: v	1785
		PARTIALLY C	COMPATIBLE					
						9.0		72.30
		FRZOSVIU	32104001 339	26059	NETER FRED	020	ں ں	1779
			101	80053	DISCRIMINATOR FREG	070	J	97/1
FREDUENCY HETER R	*	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		F R 36AU	5248	28480	FREO METER	020	U	0564
		FRJADU	000601	94033	METER FREG	020	، ن	0565
		FRJREU	SC01 166412	56118	METER FRED	020	ں ن	0566 0563
		•	11424	24655	METER/DISCRIMINATOR FRED	050	ں ،	1 709
		PARTIALLY COMPATIBLE	JHP AT I BLE					
		ANUPM 32	SCL1341	49673	HETER FREG	070	U	0.148
		ANURH 32A		49673	HETER FREG	070	U	0349
		ANUSM159	K50110200	15225		070	ں	0450
		ANUSMI 59A	K 50110200	35225	C REO	020	، ن	1440
		ANUSM275	96051A	16487	HETER CRID DIP	020	, ب	0.504
		15186DUP		21900	METER FRED	020	ں ر	2860
		TS186EUP	3170	37093	METER FRED	070	U	0.983
		TSIBGFUP	17373170	\$1865	HETER FREG	070	Ų	0.984
			2006	27593	VOLTMETER HETERODYNE	020	ں ر	5040
			500B	78780	METER FRED	020	ب د	1735
			5009R	28480		070	ن ,	3364

GENERAL PURPOSF INDE OTS ETE SPECIFICATIONS CANSS-RFFERENCE LIST 1 1474

jej (SPFC NO	TYPE DESIGNATOR	MFR. MODEL NO.		MFR. CODE	NOMENCLATURE	FAMILY CODE	66 LTR	. 0 M 01
FREQUENCY MFTFR A	Ŧ	PARTIALLY COMPATIBLE	MPATI OLE						
			5210A 527A		28480	METER FREQUENCY FREQUENCY DIFFERENCE METER	070	z z	4652
FREQUENCY MFIFM C	6	PARTIALLY CO	COMPATIBLE						
		ANURH32 Anuph32a	SCL1341		49673	METER FRED	020	υu	0348
		ANUSH159	K50110200				070	ب	0450
		ANUSH159A	K50110200		35225	TELES FALO	050	، ن	1540
		1129	711388			KETER CAID DIF	070	ں د	0577
		151860UP				METER FRED	070	· u	2860
		TS186EUP	3170			HETER FREG	070	J	0983
		TS186FUP	17373170	-		NETER FREG	070	، ن	5860
			2006		27593	VOLTMETER METERODYNE Gerongary Direceracie	020	. 1	6607
			536A			ARSORPTION	020	د ع	2802
FREQUENCY METER ID	5	PARTIALLY COMPATIBLE	MPATIBLE						
		ANUSH159	K 50110200		35225	METER FREG	070	v	0420
		ANUSM159A	K50110200		35225	HETER FRED	020	J	1550
			2006			VOLTHETER HETERODYNE	070	ں	5049
			527A		19397	FREQUENCY DIFFERENCE METER	070	z	4655
			536A			WAVEHETER ABSORPTION TYPE	070	Ų	2002
			\$87A		77327	METER FRED	020	J	3165
FREOUGNCY METER F	7	PARTIALLY CO	COMPATIBLE						
		ANUSH159	K50110200				070	Ų	0450
		ANUSMI 59A	K\$0110500				070	ں	0451
			527A				070	Z ·	4655
			5 36 A			MAVENETER ABSORPTION TYPE	070	۰	2802
			547A		77327	METER FRED	070	U	3365
FREDUENCY METER F	?	FUNCTIONALLY COMPATIBLE	COMPATIBLE						
		f R 1 46U	N410A			HAVEHETER	070	v	17 50
		F 891U	FSC1738 MCF12174N		16786	MAVEMETER FRED	050 020	u u	1747
		PARITALLY COMPATIBLE	HPATIBLE						
		15186000			21900	METER FRED	070	J	2860
		ISIBAFUP	3170			METER FREG	070	ن ،	0463
		15186111	17373170		59815	METER FRED	050	v	9860

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PART I CROSS-RFFRENCE LIST General purpost tank ots fte specifications

SPECIFICATION MANE	SPEC	IYPE DESIGNATOR	MFR. MODFL NO.	MFR. CODE	NOMENCL A TURE	FAMILY CODE	5 % 5 1	10 NO.
FRFQUENCY MEIFR F	25	PARTIALLY COMPATIBLE	MPATIBLE					
			536A	28480	28480 WAVEMLTER ABSORPTION TYPE	020	J	7097
FREQUENCY MITTA G	5	FUNCT TONALLY	FUNCTIONALLY COMPATIBLE					
		FR126U	X5328	28480	MAVENETER	070	J.	0570
		MF 495U	537A	78480	TELEN FALC	020	ب ر	1741
		•	C4108	67600	METER FRED	020	· u	1001
			6532A	28480	FREG MITER	070	U	3270
			H530A	28480	HETER FRED	070	، ن	9781
			N4144	62600	METER FRED	070	ں ر	1781
			WDA3712	16786		070	· U	3316
			X410A	67600	HETER FREG	070	J	1 7:38
			X512A	28480	HETER FRED	070	۰	1 744
			x551F	28480	NAVEMETER	070	u	1750
		PARTIALLY COMPATIBLE	MPATIBLE					
		TS1860UP		21900	HETER FRED	020	U	2860
		TSIRGEUP	3170	37093		070	U	0.483
		rs186FUP	07167671	51865	METER FRED	070	U	1860
FREGUENCY METER H	3.4	FUNCT TONALLY	FUNCTIONALLY COMPATIBLE					
		FR125G			CAVITY TUNED	070	z	0670
			Y410A	62600	METER FREG	070	J	1751
		PARTIALLY COMPATIBLE	JAPAT IBLE					
		ANIIPHEO	SH0319427	82199	T S RADAR T S DADAP	650	٧.	9325
FRFOUFNCY METER 1	55	FUNCTIONALLY COMPATIBLE	COMPATIBLE		1		1	
			46143	0.000		6		
			K532A	28480	MATTER FRED	020	ں ر	3717
			P532A	28480	HETER FREG	020	U	3282
FUNCTION GFM PATOP, SIGNAL	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANUSH256	79 LA	12314	GENFRATOR SIGNAL	054	•	1640
		ANUSH264 Anush358	652A 106	28480	GENERALDR, SIGNAL Generator algum	740	z <	4014
		HIJB JARN			MODUL A TOR	250	ı I	4074
		PL 1285U	1305A	28480	SMEEP P I	190	∢	0 74 7

PART I CRUSS-RFFRENCE LIST GFMFRAL PURPOSF THDE OTS ETF SPFCIFICATIONS

SPECIFICATION NAME FUNCTION GENERATOR,

10 MB.		8.00	6 6 6 6	705	04.0	66.80	0842	1 5 9 0	0845	0846	0844	0872	648	0877	4089	0.748	4117	+11+	1812	3068	9061	4115	3340	188	889	20	1657	1084	197	7697		7001		0440	1110	96.40	1620	2697	7715	91 80	4809	4123	4415	1014	6014
6 E		•	•	٠.	<	⋖	<	<	<	<	⋖	<	<	<	I	∢	z	z ·	∢		∢ :	x	⋖ ·	⋖ :	⋖ ·	٠.	∢ :	z ·	٠.	٠ :	. •	۲ z		∢	⋖	⋖	<	4	z	∢	z	z	z	Z	z
FAHILY CODE		*		- I	140	240	054	054	240	047	250	240	240	054	~ 40	186	04°	740	~ * 0	054	047	040	054	054	044	5	045	2 40	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			5 6		240	047	900	240	190	240	052	054	140	0 32	050	020
MFR. CODE NUMENCLATURE		ACCOUNTS ACCUSED TO ACCUS	CENERALUR SUCARE	CENTRA LUK	CENI KA LUK	GENERATOR	GENERATOR	GENERATOR	80063 GENERATOR SIGNAL	24635 GENERATUR SIGNAL	GENERA TOR	CENERATOR	GENERATOR	GENFRATOR	GENERATOR	GENERATOR	GENERATOR		_							-		GENERATOR		ADJUDA CENERATUR CHACTON	TO THE PERSON	GENERATOR			29504 GENERATOR TIME MARK	24655 CENERATOR SIGNAL			28480 GENERATOR FUNCTION	BOLJB CENERATOR SWFEP	28480 GENERATOR SIGNAL		80009 TEST SET BIOMEDICAL EQUIPMENT	80009 GENERATOR PULSE	80009 GENERATUR PULSE
C TYPE DESIGNATOR MFR. HODEL NO.	FUNCTIONALLY COMPATIBLE	301	•			_	_	\$62599 B02296	SGJZIAU	\$632;80			_		•	105033USM 7413A	10503	FG503	F55A	60218500	\$1191	20505	10617962	701	1165	11011	0171	761	J JOSE	4016E	90100	845C	PARTIALLY COMPATIBLE		ANUSHIOSB C3924A	•		•	SC11330 3312A	\$672U L10A	SG768U 2118	FG504T	F5158M	PC501	P6502
SPFC	SIGNAL 19																																												

PART 1 CROSS-4FFERENCE LIST GENERAL PUAPOSF INDE DTS ETE SPECIFICATIONS

SPECIFICATION NAME	SPCC	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NONENCLATURE	FAMILY	6. LTR	10 NO.
FUNCTION GENERATOR, SIGNAL	13	PARTIALLY COMPATIBLE	OMPAT I BLE					
			PSXI	04423	GENERATOR PULSE	106	z	4108
			10501	80008	CENTRATOR RANP	2+0	z	4119
			R1200A	01537	FH SERVICE HONITOR	901	z	4116
			56503	80009		108	Z	4039
			1120	04423		607	∢	1686
			164	23338	SWEEP		Z ·	0194
			185A	30669			⋖	1896
			20001	04423		108	< ۰	1839
			¥20.7	08487	GENERALUR SIGNAL	2 5	٠.	1545
			2220802	09487	GENERALUK PULDE Kensisterase rofouris	200	< 3	1623
			200000	20102	SINITEMETER TREGENER	2 2	E 2	101
			3330B	98860	CENEDATOR CICKA	040	2 2	6 604
			40.00	28480	CEREBATOR BUS CE	9 6	: 2	1144
			20998	78480	B.F. SYNTHESINE	90-	: z	46.15
			86603A	28480	RF PLUG IN UNIT	053	. z	4620
GAUSS REIFR	C	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
	:							
		TSISCAP	105		FLUXMETER	170	w	0952
			999		GAUSSMETER	120	Ψ,	3368
			750	44673	GAUSSMETER	120	w	1 702
		PARTIALLY COMPATIBLE	DHPATIBLE					
			1965	49673	49673 GAUSSHETER	120	w	1724
IMPULSE MITSF CHUNTER	92	FUNCT I BNALL	FUNCTIONALLY COMPATIBLE					
		CFIIOIU	T F S S B A	61890	OBBI9 COUNTER ELEC DIGITAL	629	٥	1550
INSULATION TEST SET	\$	FUNC T TONALL	FUNCTIONALLY COMPATIBLE					
		MF 4.83.0	1864	24655	A SUSHINE LE S	770	•	1392
		ZMZIAU	961000		OHMMETER	970	.	1280
		7M21BU	A98400020	96150	DHMMETER	025	£	1871
			H0125XC		TESTER HIGH POTENTIAL	920	.	1298
			1862A	24655	DATALLER ELECTRONIC Meconwhere	072	E 9	* 67
			18626	74655		20	•	161
			+0+	04237	TEST SET INSULATION	025	Z	4556
			4045	04237	TESTER INSULATION BREAKDOWN	959	æ	1403
			215	04237	TEST SET DIELECTRIC	025	Z ¢	4554
			901016	9117	שנונג ועסקראווסא	630	2	

PART C CROSS-RFFERENCE LIST General Purpise Thde OTS FTE SPECIFICATIONS

SPECIFICATION NAME	SPF.C NO	TYPE DESIGNATOR	HFR. MODFL NO.	NFR. CODE	MOME NCL A TURE	FAHILY CODE	C.P.	10 NO.
		PARTIALLY COMPATIBLE	MPAT 18LE					
		ANGSHIJA Angsh45	7659240 8213077	19200	ELECIRICAL CABLE TEST SET T S ELECTRICAL CABLE	600	• •	9610
		14200		19203	I S ELECTRICAL CABLE	025	•	0439
			CCT20	82386	T S IGNITION COIL	920	c	3745
			E STATE X	9999	VOLIMETER JESTER TURF CONTRAST TRSFR	~~o	p @	7547
			1050	28009	WHEATSTONE BRIDGE	800	•	1926
			136x	77068	TESTER CAPACITOR HI-POT	970	•	1324
			16208	73386	NECOHMMETER	970	•	1386
			V++91	24655	CHAMETER BRIDGE	800	æ :	1367
			1780	83490	TENTER INSULATION LEAKAGE	929	.	1327
			210400	8848	MICHAELER TER	620	z	4788
			95117	07239	CHANETER LOW RESISTANCE	025	•	1437
			313	55026	NULTINETER	032	•	1345
			3202F	28569	SYSTEM DIGITAL MEASURING	077	•	1939
			1001	30119	T S PORTABLE HI-POT	025	4	1316
			60841A1106904	83298	TESTER AC-DC INSULATION	025	Z	4555
LUGIC ANALYFF	"	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			14.011		21.70.1 02.2 1414		•	3633
			18017	00407	ANALTZEK LUGTO STATE 1 OCIC ANALYZED	927	2 2	7777
			200001	32626	32626 SCANNER UNIT FERTI	027	z	1114
		PARTIALLY CO	COMPATIBLE					
			10575A	28480	LOGIC PROBE	027	۵ د	2701
			102204	00497	10010 1000	770	> <	2012
			10324A 50044	28480	FERTER CIRCUIT DICITAL	7.00	z	8164
			50117	28480	LUGIC TROUBLESHOOTING XII	170	•	2545
			547A	28480		027	z	6164
			70016	80009	LOGIC ANALYZER PI	057	z	1453
me comme ter	"	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			0741	73386	ME COHMME TE R	025	•	1910
			222	57737	CHMMETER O TO 200 MEGO 500VDC	020	z	1774
			679	07239	RECOMMETER	025	æ =	1366 1366
						,	ı	!

GENERAL PURPUSE THRE DTS ETE SPECIFICATIONS

SPECIFICATION NAME	SPEC NO	TYPE DESTGNATOR	MFR. MODEL NO.	HFR. CODE	MOHENCL AT URE	FAHILY CODE	6. 1.18	10 MG.
		PARTIALLY COMPATIBLE	MPAT IBLE					
	⋖	ANG SHI 3A	7659240	19200	ELECTRICAL CABLE TEST SET	600	•	0193
	•	ANGSH45	220213077	19200	T S ELECTRICAL CABLE	600	•	9610
	⋖	ANPRES	24276	82680	X	250	•	1 570
	Σ ~	ME 368U	510	96332		035	e «	0/03
	•		CT.20	82386	TION COT	220		3745
			1080	28009	HIGH PRECISION	900	•	1379
			16208	73386		620	•	1386
			1644A	24655	DHMMETFR BRIDGE	800	•	1 36 7
			2171052	07239	TESTER INSULATION MEGGER	025	æ 1	1315
			22115	06446	TIUMBATITE New tetro ion of citable	926	E 4	200
			1130	45026	UNDER THE TOWNEST STANCE	20	•	1145
			10015	30119	T S PORTABLE HI-POT	025	•	1 118
MICROHAVF LINK ANALYZFR	56	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
	-	D1550U	37038	28480	DETECTOR SIGNAL DELAY	030	Ų	0562
	τ	11001100	A2021	28480	ANALYZER MICROWAVE LINK	030	U	0646
	_	017360	3736A	28480		030	ں ،	1191
	-	017370	3739A	26480	R OSCILLATOR	030	U	1679
			3703A	28480		030	J	0561
			3737A	28480		030	J	3719
			70G2MW	45105	DELAY AND LINEARITY TEST GENERATOR	910	ں	1880
		PARTIALLY CO	COMPATIBLE					
	=	015420	37038	28480	DETECTOR GROUP DELAY PI	061	z	4805
	•	PL 1394U	3705A	28480	DETECTOR DIFFERENTIAL PHASE PLUG IN	190	J	1673
	•	PL 1401U	3738A	28480	PLUG IN DUMM CONVERTER OSCILLATOR	030	، ب	9/91
		PL 1405V1U	3716A	28480		0.00	، د	597
	× -	11353710	3710A	28480	IF AB IRANSMITTER	030	ں ر	1674
MARULATION MFTFR	25	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
	I	HE 5 7AU		81865	METER MODULATION	160	ں	1990
	E	MF 57U		81865		110	J	9990
			CE)	26193	COMMUNICATIONS MONITOR	150	z 4	1604
			162304	76287		150	. T	7004
			16934	09553	DEVIATION FH	031	Ų	1611
			916	09553	METER FM DEVLATION	031	J	1691

PART I CROSS-RFFFRENCE LIST GFMERAL PURPOSF THOE OFS ETF SPECIFICATIONS

SPECIFICATIIN NAME	SPEC	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NOME MCL A TURE	FAN1LY CODE	5 L 1 R	10 HQ.
		PARTIALLY COMPATIBLE	HPATIBLE					
			1F2300A	09553	HODULATION AHIFH	031	Ų	1613
			TF 2 1001	09553	METER AM FM MODULATION Meter capater revisation	031	، ب	1614
			6901A	28480	HODDLATION ANALYZER	031	J Z	4865
MULTINETER. DIGITAL	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANG SM64	V35A	03626	VOLTMETER DIGITAL	078	•	6610
	-	ANCSM64A	345	93950	VOLIMETER DIGITAL	0.78	•	0070
	•	ANGSM648	8400AFH	89536	VULTMETER DIGITAL	078	æ :	1070
	_	ANUS M 30 3	300M	13913		260	.	6140
	•	ANUSH451			MULTIMETER	032	z	5105
	•	ANUSH90	8522168	92881	T S ELECTRICAL CKT	118	•	0416
	•	ANUSHOR	100	96536		220	æ	0437
		1021010	34750A	28480	P I MULTIMETER DISPLAY	032	•	1439
		ME 227AU	353	33430	VOLTMETER ELEC	077	•	0687
	_	ME 2270	34404	11/40	VOLIMETER ELEC	200	*	9990
			21.74	26.641	ALLERT CLOSES AND THE CONTRACT OF THE CONTRACT	200	0 4	9590
	-		345	50423	HULTHETER	032		. 6490
	•	ME 3 70U	427A01	28480	MULTINETER	032	•	1020
	-	ME 4570	7562A	28480	VOLTHETER AC/DC	070	z	5178
	_	5	34508	28480	*	032	&	1397
	_		245	26915	DIGITAL	032	Z :	4792
		ME 498U	34702A	28480		260	æ :	3565
	_ `	PL13440	5265A	28480	VOLTMETER DIGITAL P 1	920	s :	080
		507110A	7110A	11990	FULLIMETER UTTIFAL	160	Z (4028
		1 52894ALM70A 15340u	100001	16861	I S CONTINUITY AND STRAY VOLIAGE	20	æ a	1213
	•	154430	76777	65092		2.0		107
		TS563AFT	BIAN	64489	T S ESERT	003	•	1050
	_	1641			LECTRONIC	260	z	4055
	_	XH92		19200	TEST SET ELECTRONIC SYSTEMS	032	z	4024
			10500	40004	MULTIMETER DIGITAL	032	4 0	3747
			ELECCI	32590	VOL THETER	920	æ 1	6 86 1
			E 54	32590	VOR THE TER	920	E	3268
			E9500R1400	15381	MULTIMETER DIGITAL	032	æ :	1276
			7.4.5	26069	VOLTMETER THE TERMINATION OF THE	9/0	Z (1404
			7517	70507	NOL I INF FER ELEC	0.32	2 0 a	1061
			2 / C	086.380	VOLUME TER OL	- ^ ^		1094
			RRL 19X	86270	MI RESISTANCE SEMIAUTOMATI	025	•	2078
			10700542	06840		2(0	•	3140
			USPAGO	29260		750	£	1309
			ī	03626	MULTINFTFR DIGITAL	20	•	1311

PART I CROSS-RFERENCE LIST GENERAL PURPOS! INDE OTS ETE SPECIFICATIONS

SPECIFICATION NAME X	ű.	IVPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NOHENCLATURE	FAMILY CODE	C.P.	ID NO.
MULTIMETER, DIGITAL	67	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			x2	0 3626		032	•	71(1
			40X	03626	MULTIMETER DIGITAL	250	& &	1313
				55026		077		2040
			1400	31946	VOLTMETER DC	077	•	8261
			1400	31946	ANHETER DC	003	•	6761
			167	90108	HULTIMETER AUTORANGING DIGITAL	200	æ •	9761
			24300	31922	VOLTAETER DC	//0	=	1937
			2810	14031	MOLTIMETER DIGITAL	260	p Z	1337
			3410A	28480	VULTMETER DIGITAL	820	•	1942
			3439A	28480	VOLTMFTER DIGITAL	078	z	4565
			3439AC28	28480	VOLTOHIN HILLIAMMETER HAINFRANE-DIGI	970	c (7671
			3443A	28480	VOLTHETER P I UNIT	220	•	6 46 1
			34448	28480	DC MUCHIFUNCTION UNIT	250	.	555
			3445A	28480	VOLTAFIER P. LONIT	0.76	•	5561
			3445AC06	20480		076	•	1978
			3446A	26480	Z	920	6	1945
			34504	28480	MUL TIMETER	032	•	1396
			3455A	28480	VOLTHETER DIGITAL	078	z:	4843
			3465A 1465B	28480	MOLTIMETER, DIGITAL	0.32	z z	4562
			34664115	28480	ALCOHOLIC DICITAL	820	: 2	4866
			34703A	28,80	HOLTIMETER PLUG-ON	032	z	1956
			3480A	28480	VOLTMETER DIGITAL	0 7 8	•	9461
			3480C	28480	DIGITAL VOLTHETER MAINFRAMF	070	Œ	1400
			3482A	28480	DC RANGE UNIT	078	z	4539
			3484A	28480	MULTIFUNCTION UNIT PLUG IN	032	Z	4569
			3470A0PT10N06	28480	MULTIMETER DIGITAL	920	e (1041
			J850A	38424	NOLTIMETER DIGITAL Voltabler De	25.0	p es	2037
			41729	80164	AMMETER MICRO MICRO	003	æ	2012
			430	62049	VULTHETER DC	078	I	4540
			4324	21793	MULTIMETER DIGITAL	032	æ	9041
			0544	29318		032	.	1407
			Dror.	22044	MOLITHLIEW DIGITAL	250	2 (4845
			4400	21793	VOLTMETER DIGITAL	078	sc 4	6041
			194	03626	VOLTAGE DIGITAL	8 ° °	£ 4	1955
			500052351	21793	VOLTETER DIGITAL	8/0		1413
			\$0001	13643	VULTMETER DIGITAL	820	•	1.05.1
			2400	21793	MULTIMITER	032	æ	1415
			2400	21793	VOLTMETER DIGITAL	078	•	1157
			5640	21793	MULTIMETER DIGITAL	0 7 8	æ	1416
			570152127	21793	VOLTMETER DIGITAL RATIONETER	870	1 0	2578

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PART I CRUSS-RFFFRENCF LIST General purpose thof ots etf spfcifications

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NOMF NCL A TURE	FAHILY COOE	6. 1.18	10 ±0.
HULTIMFTER, DIGITAL	62	FUNCT I OMALL	FUNCTIONALLY COMPATIBLE					
			2 900	21793	HULTIMETER DIGITAL	070	•	1417
			009	05413	TESTER COIL CUNDENSER	032	Z	4755
			7050	1 3061		032	.	1751
			73004531	98438	VOLINETER DIGITAL	032	•	2048
			7630	98438		032	-	1423
			784	03626	DHMMETER DIGITAL	035	60	1371
			8000A	89536		032	z	4554
			8000A	60741		032	Z	4500
			BOOOAMTROL	89536		032	z :	4560
			8000401	89536	BULLIMETER DIGITAL	250	ø Z	9754
			81004	89536		035	: œ	1751
			8100A01	89536		032	•	1428
			91008	89536		032	62	1429
			8120A	89536		032	•	01 11
			8125A	89536	MULTINETER	032	•	1431
			8200A	89536	VOLTHETER DIGITAL	920	æ :	1432
			8300A	89536	MULTINETER DIGITAL	210	.	
			8350A	89536	MULTIMETER DIGITAL	210	p 2	1434
			45054	94775	COLUMN TER CICIAL	200	2 4	14.15
			3500A	89536	VOLINETER DIGITAL	920	z	4842
			8600401	89536	MILTIMETER DIGITAL	920	z	5184
			880	28009	VOLTHETER D C DIGITAL	200	æ ;	50/5
			1005061106	65092	MILLIAMMETER DC	600	Z 1	424.0
			100906160	26069	VOLIMETER AC	2.0	C «	1443
			4079 4079	29480	HULTINGTER DIGITAL	035	. C	1377
		PARTIALLY COMPATIBLE	DMPAT 18LE					
		ANGSH13A	1659240	19200	ELECTRICAL CABLE TEST SET	600	•	0143
		ANG SH45	8213077	19200	T S ELECTRICAL CABLE	600	•	9610
		ANUSM262	560101012	33442	AMMETER	100	.	77.7
		ANUSH 319A	2693	55026	MULTIMETER	260	2 4	13.56
		15185	411	65030		0.76	. .	2090
		HF 1470	FSH	54085	VOLTMETER	920	•	1190
		ME 2028U	80 38	89536	VOLTHETER ELEC	121	•	0643
		HE 2020	803	89536	VILTHETER FLEC	121	æ	2990
		MF 26AU	4108	28480	RULTIMETER	032	₽ 0	9626
		ME 24.RU		02916		7 (0	0 4	1000
		ME ZACU	240000	44 145		035	p 40	0659
		Mf 26U	4104	28480	MULTINE FER	032	æ	9655

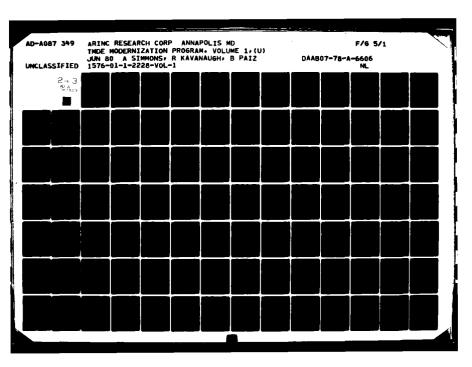
PART I CROSS-REFERENCE LIST GENERAL PURPUSE THUE DTS ETE SPECIFICATIONS

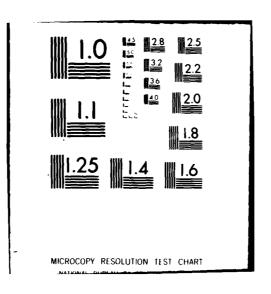
SPECIFICATION NANF MULTINETER, DIGITAL

DESIGNATOR	TYPE DESIGNATOR MFR. MODEL NO.	CODE	NUMENCLATURE	CODE	ž.	ID NO.
PARTIALLY COMPATIBLE	DMPATIBLE					
MF 260U	4038	28480	VOLINETER ELEC	0.76	•	1690
ME 262U	305A	50423		920	æ (0692
HE JOAU	4000	28480	VOLTHETER ELEC	970	ec o	1990
ME 1080	A114	26687		920	. «	3622
HE 3000	1114	35124	VOLTMETER ELEC	076	æ	000
Mf 30EU	998101	12365	ELFCTRONIC VOLTMETER	076	æ	3623
ME 30f U		25778		920	z	4046
HE 300	4000	28480	VOLTMETER FLEC	976	æ	0660
HE 303AU	410C	28480	VOLTHETFR ELEC	032	60	96.90
HE 334U	1001	00638	VOLIMETER FLEC	910	£	0697
HE 168U	610	96332	OHMME TER	035	60	0703
NE 419U	270	55026	MULTINETER FLEC	032	•	0705
HE 425U	400	28480	VOLTMETER ELECTRONIC	970	=	9070
HE 444U	320A	50423	VOLTHETER ELEC	9/0	•	0708
MF 450U	260	16902	MULTIMETER	032	•	6020
NF 452U	6	55026	NULTINETER	003	æ	1110
Hf 489U	749	65092	MULTINETER	035	æ	1368
MF 77			MULTIFFSTER	032	0	3626
HE 8 7U	280	26059	HULTINFTER	035	•	0676
TS26ATSM	121956	82066		035	æ :	0954
1526815M	3340	11711	I S JELEFRUNE	750	o e	0053
5.584.34	88148	89516	VOI 146 150	121		1210
5.50711	0 2 4 0	71440		037	•	4500
5.35.7811		7777	MULITARITER	032	- 40	1000
53520	972	65092	MULTIMETER	032	#	6660
\$505AU	PL 3000	17271	HULTIMETER	032	•	1036
1\$505BU	001110	94066	MUL TIME TER	032	=	1037
\$505CU			MULTIMETER	032	6	1038
550500	1		MULTIMETER	035	6	6607
5707EU	t 40197129	19670	AUL LINE LEK	0.50	0 3	200
132020	(0:7)37	03077	1 2 11 100000	200	e	
2010	08502	A0000	ALC TIMESE DITERAL	210	: z	10,7
	FSISAMI	A0009			z	4415
	HL55C	50666		920	z	4435
	PAISAC	79500		920	z	4045
	UPP	32590	HICROANNETER	003	z	4048
	1346	24655	HICRUVOLIFR AUDIO FREG	910	4	1927
	1411	24318	MULTIMETER	032	æ	1380
	19064	24655	VOLINETER ELECTRONIC	032	30	1624
	195A	14961	MULTIMETER	032	æ	1328
	102	16152	VOLIMETER DC	07.7	æ	2001
	2028	05157	VOL THE 1FR	220	œ	2002

GENERAL PURPISE INDE DIS FIE SPECIFICATIONS CRUSS-RFERFNCE LIST PART 1

SPECIFICATION NAME	SPF C NO	TYPE DESIGNATOR	HFR. MODEL NO.	DEL NO.	MFR. CODE	NOMENCLATURE	FAHILY CODE	CP LTR	10 NO.
MULTIMETER, DIGITAL	62	PARTIALLY COMPATIBLE	IMPATIBLE						
			2192		55026	MULTIMETER	032	z	4563
			3020		05535	VOLTHETER ELECTRONIC	910	z	4529
			3202E		28569	SYSTEM DIGITAL MEASURING	017	•	1939
			3460BH23		28480	VOLTMETER DIGITAL	0 7 8	•	1985
			34698		28480	MULTINETER DIGITAL	032	æ (1 398
			355		50453	VULIMETER AC DC	9 5	nc a	2015
			4140		28480	AUTOVOLIMETER	~~0	ء ح	3569
			215		80164	ANHETER	003	=	2016
			4614		28480	VOLTHETER DC NULL	077	-	1350
			425A		28480	AMMFTER DC MICROVOLT	077	•	1381
			425AR		28480	AMMFIER DC MICROVOLT	011	æ	1352
			430		65092	MILLIVOLT-AMMETER OC	032	æ (1354
			4 30		65092		200	= 4	1707
			501905		474/6	MULTIMETER	260	e 1	1441
			6000		4076		200	E a	256
			900		17/09	ALL TIMETED	250	3 6	791
			666HH		17209	MULITAGEER	035	a as	1365
			666RW669RL	F.	60741	MULTIMETER	032	•	1418
			7000		29946	AMMETER AC VOLT	032	8	1419
			179		65092		032	œ	1370
			785		62095	HULTINETER PORTABLE	032	œ	1372
			801		15209	MULTINE TER	035	æ 4	1173
			8 36820		44004	MILLIAMETER Attention of		2 0	502
			164		24069	T C INDUCTORAL ANALYZED	5 6	s =	25.20
					1 000	I S INDOSTRIAL ANALIZER	360	5	0363
MULTIMETER, DIGITAL MANDHFLD	8.2	FUNCTIONALLY COMPATIBLE	COMPATI	916					
	<	ANPSHÓ			95325	HULTINFIFR	032	€	0254
	<	ANP SHOA			95325	MULTIMETER	032	\$	9550
	⋖	ANPSHEB	1995002		95325	MULTIHFTER	035	æ	9570
	⋖	ANUPMI 05				MOLTIMETER	032	æ :	0385
	< •	ANUPHIOSB	30.0		06833		250	ec a	0 346
	< <	ANUSHIRI	41.2A		28480		035	c 40	3633
	. ــ	LH6A	HE 0000223	_	55026	TESTER FLASH GUN	032	•	9090
	τ	HE ZAAU	4 108		28480	HULTIMETER	032	•	9690
	I	ME 248U			91820	MULTINETER	032	•	0657
	E	ME 26CU	260000		99395	MULTIMETER	032	æ	0658
	T :	HF 2600	•				032	•	0659
	T :	MF 26U	410A		28480		032	.	0655
	E ;	US 25 20	305A		12504	VOL. TRE LEK	9.6	.	7690
		#E 450U	260		70641		260	•	60/0
	5				21.066		350	e	906





GENERAL PURPISE UNDE DIS FIF SPECIFICATIONS PART I CROSS-RFFRENCE LIST

FAMILY GP CODE LTR 10 NO.		032 8 3626	•	z		~	•	z	•	•	012 0 0422	9 62	: 40	•	032 N 1172	119 8 1115	2	118 E	< ₁	•	261 0 260	e 2	: 4	B c		•	•	•	~	6151 8 250			•		0352 B 2520			•	•	032 8 0247	P «	D
HOMEMCLATURE		HULTITE STER	MULT IMETER	>	~ -	-	I S BATTERY	TEST	~ 1	- 1) I S TELETIONS S TECTED DATEDY	_		_	MULTIMETER		HICROAMHETER			4 VOLTMETER ELEC					-			_	MULTIMETER	Z AMMETER AC VOLT		MULTINETER			I T S INDUSTRIAL ANALYZER		_			TAUL TIME TER		חטר וואנינא
MFR.			65092		81538	74096			82066	88562	11/13	71440	77221	65092		64626	32590	98202	97046	19108	2000	45076	97476	20054	60741	14209	60741	14209	14209	79996	45092	60741	24446	14/09	1 1 2 0 9		19200	19200	02680	55092	97066	
MFR. HODFL NO.	COMPATIBLE		280						121956		36.40			216		K\$14103		10158F	091	002		110	501005	501403	600	631	666 М	P6611H	666RW669RL	7000	784	108	827X51	850	066	COMPATIBLE	7659240	8213077	28276	979	0.344.7	1997
TYPE DESIGNATOR	FUNCTIONALLY COMPATIBLE	HF 77		HILHI6034A	TSIRBAU	1518380	151830	IS257ARN	TSZ6ATSM	.	100000	152970	1535280		153400	158160		·	•		•		. •	,- ਚ	, •	. •	•	•	- €′ ¹	.~ [- ·	•	•		•	PARTIALLY COM	ANGSH13A		•			
SPEC	IANOHELD 24																																									
SPECIFICATION NANF	MULTIMETER, DIGITAL HANDHELD																																									

GENERAL PURPUSE INDE DTS FTE SPECIFICATIONS PART I CRUSS-OFFERENCE LIST

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR MFR, MODEL NO.	HFR, MODEL NO.	MFR. CODE	NOMENCLATURE	FAMILY CODE	67 L.TR	10 MO.
MULTIMETER, DIGITAL HANDMELD	N 2	PARTIALLY COMPATIBLE	HPATIBLE					
		ANPSHAC		91820	MULTIMETER	032	=	0520
		ANP SH4D	127160	19913	NULTINETER	200	•	1520
		ANPSAGE	PS#4	12510	NULTIMETER	032	•	0252
		LPLANCE	tender se se se	21244		250	e e	0250
			10001863646	04277		200		96.30
		ANDSALBY	5 50A	53076		250	8 4	1010
				28569	MULTIMETER	032	•	2840
		-	560101012	33441	ANNETER	100	•	0405
			100	89536	VOLTMETER ELEC	077	•	25.50
			433	65092	VOL THE TER	9/0	•	7090
			ESH	24085		920	•	1290
		_	353	33430	VOLTHETER ELEC	077	•	0687
			36176	85711		200	.	0686
		#F.Zh00	9604	09187	VOLIMETER FLEC	9 6	•	1690
			7100	16126		260		7000
			745	50423		2.0	•	990
			019	96332	DIMMETER	035	•	0703
			427A01	20400	MULTIMETER	032	•	9070
		HE 4 19U	270	55026	MULTIMETER ELEC	032	•	0705
			•	55026	MULTIMETER	600	•	0711
			9312902001	65092	ш	012	¥	4244
			713003			032	•	1560
		E	E 1 5 2 7 B	00 798		035	~	0958
			0166237	64959	T S TELTPHONE	032	= (9260
			PL 3000	17271	NUL TIMETER	032	•	1036
		1550580	001110	94066		632	.	1037
		155050				200	o c	601
			EA0197129	02581	NUL TIMETER	035	•	1040
			(2)		MULTIMETER	032	æ	1035
				19203	T S ELECTRICAL CABLE	970	æ	9660
		711540	104	05721	OHRNETER	00	•	1282
			ACI	3648	ARMETER AC VOLTS	100	z	4020
			02120	85386	T S ICHITION COLL	025	e	3745
			CTJ	31989	TESTER CKT CONTINUITY AUDIBLE	2 i	•	1293
			1430	03782	VOLTMETFR	220	e (2654
			# 10		TENER TOBE CURITANT INSER	7/0		1567
			P.H.32	65054	AULTIAFIER ELEC	032		1301
			K 5 J	12266		27.0	B 4	1 303
			A V X	99661	TOTAL TAX	7 6	6 4	
			7,700	12200	SELET AL VOLI ANGELER METER DUM	1		707
			TWS.4.4	00076		200	•	26.00
				7964	ALL TRETER	035		1310
						J 1	;) -

PART I CROSS-RFFFRENCE LIST General purpost inde ots fte specifications

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	MFR. HODEL NO.	NFR.	MOMENCLATURE	FAMILY CODE	5 5	10 NO.
MULTIMETER, DIGITAL HANDHELD	6LD 28	PARTIALLY COMPATIBLE	WPATIBLE					
			1007	15566	MULTIMETER	032	•	1378
			167	80164	_	032	c	1326
			1806A	24655		032	•	1624
			102	04237	_	032	•	1330
			255	04237		035	-	2004
			5092	\$2056	_	032	•	1336
			2192	55026	_	032	Z (4563
			303	55056		032	.	0 1 1
			310	1 1 0 0	_	250	6	1 3 4 1
			3100	44041	MOLINETER METER VOLT DAM	250	.	
			וון רונ	\$5026	MIN TIMETOR	250		1345
			370	45092		100	Z	4546
			41132	18474		077	•	2037
			427A	28480		032	•	1353
			5130	15309	ANMETER PORTABLE DC 0-500AMP,25 PC	0 32	z	4543
			518	49932		970	•	1958
			610FH	03438		911	w	1359
			422	65092		220	•	1960
			633VA1	65092	MULTIMETER	032	•	1362
NOISE FIGURE MFTER	=	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		3610190	J347A	28480	MOISE SOURCE	055	v	0892
		061190	503	11332		055	<	0854
		566786	6347A	28480		055	<	3541
		SC978U	3434	20400	CEMERATOR SOURCE	055	<	9880
		1524366	342A	26480		033	ں	1197
			H347A	28480		055	<	1901
			F347A	28480	GENER!	055	⋖ ·	1913
			A 34 / A	09497	101	6,0	< ∶	7.01
			919/	67676	AUTOL SUBACE DIOCE	027	E 2	
			790¢	7327	CENTRA	052	<	1873
		PARTIALLY COMPATIBLE	MPATIBLE					
			PANF 175	12678	INDICATOR MOISE FIGUIRE AUTOMATIC	055	z	4130
			16115	0)782		020	•	1070
			1402	19515		055	x	(01+
			3408	28480		033	: ن	=======================================
			3722A	28480		055	z •	0194
			A1016		CENTRALUR INTERNAL MUISE	627	•	

PART I CROSS-RFFERFNCE LIST General purpise thos ats etc specifications

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	HFR. HODEL HO.	MFR. CODE	NOMENCL ATURE	FAMILY	E E E	10 HO.
NOISE GENERATOR, THELVE CHANNE	ANNE 59	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		3611140	INTOIGA	09553	09553 TWELVE CHANNEL NDISE GEMERATOR	034	J	7761
NOISE POWER RATIO TEST SET	95	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANGSHEEL	0A2090 0A2090A	09553	T S NOISE LOADING	034	ن ب	8070
9 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5	ULIZIGSM TRACTIONALI V COMBATIBLE	1877944 Compatible	09553	OSCILLATOR RF	f	u	1761
Manager	2	LOWE ! TOWALL !						
			362 6892F	\$505 6 65092	OHINETER DHINETER	035	6 Z	1347
		PARTIALLY COMPATIBLE	MPAT I BLE					
		MF 368U	910	96332	OHMHE IF R	635	•	6703
		127B 2854U	LROI	87991	OMMMETER DETONATOR CIRCUIT Dimmeter	035 035	Z ø	4770
			BH819A	69886		035	•	1290
			B2500	92400	T S INSULATION BREAKDOWN	025	•	1200
			HH.	55853	TEST EQUIPMENT RESISTANCE ANALYZER MHEATSTONE ABIDGE	500	z c	1026
			72439	07239	KELVIN BRIDGE	*00		1320
BHMMETER, FARTH TESTER	31	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		1532210	63220	07239	T S MULL BALANCE EARTH TESTER	135	•	1631
		8551	780	83298 04237	DHAMETER HAZARDOUS CIRCUIT Tester ground resistance	035 035	zz	4771
		PARTIALLY COMPASSBLE	HPATIBLE					
			BH81 9A	69866	ONMME TER	035	•	0621
			82500 244	00426	T S EMSULATION BREAKDOWN	950		1288
			72439	07239	KELVIN PRIDGE	800		1320
DPTICAL IFST SFT	90	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ME A6U	143762 7039960009	65092 65092	METER FOOT CANDLE PHOTO ELECTRIC METER FOOT CANDLE	611	w z	9675

PART I CANSS-RFFERENCE LIST General purpuse thoe ots fif specifications

SPECIFICATION NAME	SPEC MO	TYPE DESIGNATOR	HFR. NODEL NO.	MFR. COOE	NOMFNCLATURE	FAMILY CODE	5 E	10 NO.
OSCILLOGRAPHIC RFCORDER A	5	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		AM6681V1U	5808A	28480	P I RECORDER	036	w	1941
		ANUSM46	81202931	96795	OSCILLOGRAPH SET MAGNETIC	036	.	975
		#020745#12V BA425#1	KU212100	28480	COLLICERATE DIAL CHANKS	9 6		* 1 8 0
		R0460Y1U	7702R	28480		90	. w	9180
			MH906A	40931	•	920	z	1001
			200	96795	RECORDER ELECTRONIC	036	z	4195
			252100	96795	RECORDER ELECTRONIC	036	w	1486
			322A	15859	OSCILLOGRAPH		w :	1536
			7402A137	02286	USCILLOGRAPH RECORDER IND CHANNEL	926	æ	45/3
		PARTIALLY CO	COMPATIBLE					
		ANUSH 365VI	1106814	28480	RECORDER THERMAL OSCILLOGRAPH	036	w	6750
		PL 1390U	8401A	28480	P I PREAMPLIFIER LOW GAIN DC	900		1459
		RD426U	74184	28480	OSCILLOGRAPHIC RECORDER	036	، ب	1547
		R01896	RD264200	96798	OSCILLOGRAPH	936	.	£ 790
			035502900	60000	TEST SET CALIBRATION FIXTURE	111	E	2/15
DSCILLOGRAPHIC RECRADER B	35	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		AMIICMIASAI	7706.014	28480	MARGUSTERMAI DOCUMENT	45.0		05.50
		R0426U	74184	28480	OSCILLOGRAPHIC RECORDER	920		1547
		R0189G	R0264200	96799	OSCILLOGRAPH	036	w	6100
			LAA3	15566	RECORDING ANNETER HIM! STRIP CHART	036	z 1	104
			RD252220	96795	RECORDER DUAL CHANNEL	036	.	1553
		PARTIALLY COMPATIBLE	MPATIBLE					
		AM6681V1U	6808A	28480	P I RECORDER	036	w	1961
		PL 1 190U	9901A	20400	P I PREAMPLIFIER LOW GAIM DC	036	w	1459
		R0425U	322	20400	RECORDER DUAL CHANNEL	9.0	.	5180
		200410	7,026 6,140T	92407	RECORDER FORE CARACE	9 6	u 2	
			322A	15859	DSCILLOGRAPH	92	. w	15.16
OSCILLOSCOPE, OC-154WZ	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		AMIRALUSM	53548	8000B	P & PREAMPL	680		2000
		AH1842AUSH	U	60009		690		7 000
		AMIB42USH	53546	60009	DIFFERENTIAL PLUG IN	680		6915
		AM1842USM	5354CM00401	8000	PREAMPL	680		\$ 000 000
		AN 3015USM137	828	20400	AMPL RADEU FREG F 1) 0 0 0 0
		ANDI 74USH	ب د	90009	P I PREAMPL VIDEU	680		1100
		AM1567AUSH	180494	28569	PREAMPL DIFF	680		0013

CEMERAL PURPISF THUE DTS ETE SPECIFICATIONS

SPECIFICATION NAME OSCILLOSCOPE, DC-15442

SPFC	TYPE DESIGNATOR	MFR. MODEL MO.	MFR. CODE	NOMENCL ATURE	F AMILY CODE	, E	10 MO.
2	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
	AN356 7USH	6 + 0 8 1	28569		680		2100
	AH 356BAUSH	180484	28569	OSCILLOSCOPE SUBASSY PREAMPL VERT C	000		5100
	AR 3568USE	2004	28569	P I OSCILLOSCOPE VERT PREAMPL	690		100
	AMS 786U	7822		PI HIGH GAIN DIFFERENTIAL AMPLIFIER	689		1570
	ANUSALOS	1608162A	28480		000		86.40
	ANUSMIOSA	1608162A166A	09482		7 C		
		361153161	6107	056141056078			
	4/17/17/1/4	191715	6000		7 0		* 6
	AMISALA	101716			1 0		244
	ANUSHIBZA	535A101M	80009	DSCILLOSCOPE	690		0458
	ANUSH2 4	558	18372	05C11L05C0PE	680		1140
	ANUSH254	1 300	28480	05C11.L05C0PE	680		0489
	ANUSH309VL	140AE 51	28480	OSCILLNSCOPE	690		0250
	ANUSH309V2	1 5 70 BHO1	28480	05C11L05C0PE	690		1750
	ANUSA32	98000721	18776		683		0413
	ANUSM364V1	R422	80009	OSCILLUSCOPE DUAL TRACE	680		4062
	ANUSHSOA	2390	35225	DSCILLOSCOPF	680		0458
	ANUSHSOB	K00000177	35225	05C1LL05C0PE	690		6740
	ANUSHSOC		19176	OSCILLOSCOPE	690		0430
	ANUSH504	533A	A0009	05C1LL05C0PE	680		2450
	ANUSMA1	535N5354C	80009	05C1LL05C0PE	089		3611
	ANUSH89	3104	80000	05611105607	680		0434
	STEVEN STEVEN	8081	28569	USCILLUSCUPE	000		04.35
	ANVORZ		\$1270	CALIURATUR SET RADIAC	000		6543
	2017	535	10008		200		67.78
	AX 2930 AUSM	162A	20480	USCSC SUBASSY VERT CH DUAL IN PREAM	600		1 1 2 0
	MAZV62USM105	Toola .	001907	USCSC SUBASSY	200		
	777.762U3A1U3	18044	40007	05(3) 5068331			
	001100	1271			600		
	031530	4.0.5 THE PROPERTY OF STATE OF					
	0.512.465.01.7	1204					0242
	25 10000130	126					7017
	0.50777050 0.527706AU	1114 54.18	3000	DACTEL DACTORE) 0 0 0		9 4 6 6
	Harran	200	9000				2 4 4
	052420		0000				0787
	11.5003.11	30648	72314				
	DI DOS EL	4	10113				6770
	200	902204	28569				0.74
	OSACI	**************************************	91820				9775
	0.500		1551		6 2 0		07.76
	05870		5005				0777
	DSAFU			0501110500	160		077B
	OS BEN	1504	14487	DATILIASIDE	-		0770
	00000		20.0				0777
				03616603607	, D		

GENERAL PURPISE INDE OTS ETE SPECIFICATIONS PART I CROSS-RFFERENCE LIST

SPECIFICATION NANF	NO C	TYPE DESIGNATOR	MFR. MODEL MD.	MFR. CODE	MOMENCLATURE	FAMILY CODE	6P LTR	.DN 01
OSCILLOSCOPF, DC-15MH?	21	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		PL13120	3472	60009	P I DUAL TRACE	600		5090
		FL13130	1405A	28480		600		4083
		פנ זניים	1411A	28480	ARP SAMPLING VERTICAL P I	60		2080
		FL 13730	26	90000	P I CHIT SAMPLING HEAD	00		0190
		1010850	7853AN11	60000	TIME BASE P I CAN'T	6 0		2560
			1009105141	15859	OSCILLOSCOPE PLUG IN PREAMPLIFIER	6 8 0		1 2 4 6
			- Z		PLUG IN AAPLIFICK UPERAJIUNAL Ascrijascopp	•		1551
				8000	OSC 11 OSC 0PF			3289
			RH564	80000	05611105607	600		1555
			R5113	60000	USCILLOSCOPE MAINFRANE	690		4859
			R5403040	80009		680		4016
			R5618	0000	OSCILLOSCOPE MAINFRAME	680		3286
			SC502	80004	05C11L05C0PE	680		4019
				90000	TIME BASE PLUG IN	690		1557
			7161	60000	OSCILLOSCUPE	6 0		4072
			2261	60000	OSCILLOSCOPE DUAL TRACE	690		4853
			21604	1/964		6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		1961
			9071	09487		700		1161
			12204	00107	USCILLUSTUPE BUAL CHANNEL			7657
			14014034	00107	FLUG IN MATELITIES BOOK TRACE	2 0		754
			W2011	09487	FLOC-IM FREAMFLIFIER DUAL IMALE	2 0		4947
			14164	08487	INDICATES PRECENT FLOG IN SWEET			0/41
			14254503	20102	DI CAMPILME TIME BACE E DELAY			2567
•			1.904	28480	OSCILLOSCOPE	0 0		4759
			1800	28480	OSCILLOSCOPE	000		# 7 A
			18588	28480	03611103607			1524
			211	80008	OSCILLOSCOPE PORTABLE	690		1527
			213	60009	OSCILLUSCOPE DUAL TRACE	600		4796
			224A	10776	05C1LL05C0FE	080		1528
			247	82573		089		1579
			JA3	80009	DVAL	680		33.2
			346	60008	P 1 OSCILLOSCOPE DUAL TRACE	690		3326
			347	0000	r a ascallascure	20		3325
			3474	6000B	Ξ. ∝.	000		1564
				0000	_	780		775
			+ EF	8000	OSCILLOSCIPE P I SAMPLING UNIT	5 (0		3320
			256		THUS IN DUAL TRACE SAFFLING	200		1791
			312	60008	٠,			1 26 5
			31.77		USCILLUSCUPE P I SAMPLING SWEEP	7 0		1111
			304A	30669	:	0		1534
			123	8000W	OSCILLOSCOPE PORTABLE AC DC	000		1537
			376	60008	PORTABLE OSCILLOSCOPE	-		4579
			9671774	50000	OSCILLOSCUPE PORTABLE	600		8661
			H-146		USCILLUSCOPE ANTLIFIER FI	2		

PART I CRUSS-RFERENCE LIST GENERAL PURPUSE INDE DIS ETE SPECIFICATIONS

SPECIFICATION MANE	SPFC	TYPE DESIGNATOR	MFR. MODEL N	MFR. NO. CODE	HOHENCLATURE	FAHILY	C. L.T.R	10 MO.
OSCILLOSCOPF, OC-154H2	2	FUNCTIONALLY COMPAT4BLE	COMPATIBLE					
			SAIGH	60000		690		1961
			SAZIN	80000	PI DIFF CURRENT PROBE AMPLIFICE	680		995
			76 LON	0000	USCILLUSCUPE IINE BASE/AMPLIFIER PI			1268
			51440	0000				
			515	60000		60		14.51
			515A	80009	_	690		1495
			516	60000	_	680		9547
			52440	0000		6 6		7641
			328U2 529		TOUT TOUR MAKENDER			1691
			\$11V	P0004				004
			535A	6000		200		1500
			53540	60008	-	690		4585
			53541	60000		690		4588
			536			5 0		120
			704		_			
			1162	0000	DICITAL DISPLAY UNIT PE			1207 4804
			7013	60008		680		1584
			7111	60008	PLUG IN DUAL DELAY LINE	680		9791
			763305	60008		680		4860
OSCILLOSCOPF, DC-500MHZ	\$	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		AM6787PU	7511	60000	PLUG EN SAMPLING UNIT	085		1586
		051930	1404	28480		085		0784
		1011610	7111	80009		085		3573
			21	80009		989		4864
			140AC 71	28480		082		1544
			1411403	28480	AMPLIFIER SAMPLING	000		2565
			14244	00107	CANE BASE SATILING TICE IN	\$ 00 00 00 00 00 00 00 00 00 00 00 00 00		1624
			111111) (9077
			19104	28480		^ •		1663
			18164	28480		200		1665
			1817A	28480		065		1666
			151	60008		085		3330
			485	80009		005		4578
			7419	60000		082		1576
			7892	60008		912		1561
			7892A	60008	PLUC-IN-DUAL TIME BASE	082		4589
			101	A0009		500		1585
			1904	80008	OSCILLOSCOPE	082		1458

PART I CROSS-RFERENCE LIST GENERAL PURPOSE TWOE OTS ETE SPECIFICATIONS

SPECIFICATION MANF		SPEC	TYPE DESIGNATOR	HFR. HODEL NO.	NFR. CODE	NDMEWCL A TURE	FAMILY	35	10 NO.
OSCILLOSCOPE, DUAL TRACE, DC-	TRACE, DC-	25	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			AM18398USM	CA	80009	P I OSCILLOSCOPE DUAL TRACE	160		1000
				5354C	90009	OSCILLOSCOPE DUAL TRACE P I	160		0003
			•	1827	28569	PREAMPL	160		•000
			AM4030U	1752A	28480	P 1 OSCILLOSCOPE DUAL TRACE	160		9100
			AM4031AU	17508	28480	P I UNIT DUAL TRACE	060		8100
			AM4031U	1750A	28480		160		2 100
				7608	30669	P I OSCILLOSCOPE DUAL CH	160		0050
			AH6565U	7A1SANI E	80009	AMPL F I UNIT	160		0021
				2A10	80009	AMPLIFIER DUAL TRACE PLUG IN	160		1575
				7A15A	80009	OSCILLOSCOPE AMPLIFIER PI	160		4862
				170A	28480	05C1LL05C0PE	160		3612
				945HC	60008	05C3LL0SC0PE	160		0110
				2414	80009	OSCILLOSCOPE	160		4583
			ANUSHIBA	RH45A	60008	OSCILLOSCOPE	160		0459
			ANUSH186	175AH12	28480	OSCILLOSCUPE	160		0460
			ANUSHZIG	2+9	80009	05C1LL05C0PE	160		1512
			_	453	60000	OSCILLOSCUPE	160		2050
				180AE02	28480		160		0505
				15510PT20	28480		160		9250
				6510H	16152	OSCILLOSCOPE	160		020
				7603115	60000	OSCILLOSCOPE	# P O		8040
			ANUSM281D	1950	30669		160		9264
					20004				
			ANUS 62 20 21	160EREUZ	09497		160		1140
			•	1700001700	99497	DECILLED SCORE BORTARIE DUAL CUANNEL			
				1 42 195	96496	TOWINGLE DOWL			2000
			15.0	16.28HD2	78480	Y VERT CH DUAL	160		2520
				180442	28540	VERT CH DIM TE			£ 420
				K50430100	15225	SUBASSY VERT CH DUAL TR			5520
			218	647A	80000		60		0783
				1408	28480	05C1LL05C0FE	160		4053
				28	80000	OSCILLOSCUPE UNIT P I DUAL TRACE	260		8640
			PL 1293U	1A2	60009	P I DUAL	260		6520
			Pt 13110	2867	8000 B	_	160		1080
			PL1378U	18034	28480	PLUG IM DIFFERENTIAL AMPLIFIER	160		1479
				1820A	28430	OSCILLOSCOPE PLUG IN TIME BASE	160		6790
			1011590	7853A	60000	TIME BASE DUAL PLUG IN	160		1582
			105037058509	1421A	28480	CENERATOR PLUG IN TINE BASE	160		6360
			_	075	60008	05C1LL05C0PE	160		1545
				LA265A	35225	05C1LL05C0PE	160		4073
			-	R7313	60000	OSCILLOSCOPE	160		4075
				R 7603	8000B	DUAL	160		1001
			_	R 760 301	80000		040		4658
			-	*	60000	AMPLIFIER PLUG IN DIFFERENTIAL	160		1559
				115					1561

PART I CROSS-RFFERENCE LIST GFMERAL PURPOSE INDE OTS ETF SPECIFICATIONS

10 NO.		4204	2564	7001	74.01	1/1	0 1 1	277	017	4802	4803	[# P]	1532	1539	4576	7641	2916	4855	4780	9 P P P	7041	1503	904	1207	0151	1161	1573	1580	7117	7641	45.00	1515	1408			6 700	1572	1954	0.940	4854	101	144	2341	:
5 E E		٠																																										
FAHILY		160	160	1 6 6	1 .	100	1 0	100		1 60	160	160	160	160	160	160	160	160	160	160	7	160	10	100	160	160	160		7				160			060	060	060	082	040	000	000	0 6) •
			TRACE		27.10	FLOG IN TIME BASE				RICAL PI	RTICAL PI			PORTABLE		PORTABLE			PORTABLE								ARPLIFIER CORRENT PROBL FLOG IN	BASE			A C CEMBI Y					L TRACE		PORTABLE		STORAGE			OSCILLOSCOPF PORTABLE PI Dia Change and Ceff	
NOMENCLATURE		USCILLOSCOPE	P I AMP DUAL	OSCILLOSCOPE		USCILLUSCOPE		DITTE IN MALT	DI VERT AME	AMPLIFIER VERTICAL	AMPLIFIER VERTICAL	PLUG IN DELAY TIME	OSCILLOSCOPE	OSCILLOSCOPE	OSC ILLOSCUPE	OSCILLASCOPF	050111050016	OSCILLOSCOPE	OSCILLOSCOPE	OSCILLOSCOPE	USCILLUSCUFE	OSCILLOSCOPE	OSCILLOSCOPE	OSCILLOSCOPE	OSCILLOSCOPE	OSCILLOSCUPE	AMPLIFIER CU	PLUC IN TERE	05611105607	05611105006	020101000	OSCILL OSCOPE	OSCILLASCUPE			P I AMPL DUAL TRACE	PI AMPLIFIER	OSC 111 OSCOPE	OSCILLOSCOPE	OSC ILLOSCOFE	PLUG IN TIME	DSCILLOSCOPE	OSCILLOSCOPF	
MFR. CODE		28480	28480	08487		09497		20400	20107	28480	28480	28480	35225	80009	80004	80003	80009	60008	80008		10000	6000B	10000	5000B	60000	5000B	60008	00000		72314	92206	10440	72314			40004	80003	8000 B	90009	80000	24480	0000	00000	
9																																												
HODEL	TIBLE		20				;	•									005	40105	_															7 18 1									•	
MFR. MODEL MG.	COMPA	045A	402AC07	4 1		AC 26	7000	400	440	1805A	1608A	1621A	265A	†]†	4534	465	4650M4005	4650N440105	1650407	466	343A	247	555	556	185	3434	111	7851	H C O C C	1007	44547	765AHF	76 7H	AGNOS		7A26	7A13	47507	76234	R 7 704	18254	454A	4541630	
TYPE DESIGNATOR	FUNCFIONALLY COMPATIBLE	-	-	-	•		•	4	•				~	•	•	•		•	•	~ 1	•	•	•	•	•	~ '		~ *	~ F			•	~	SINCICONALIA COMPATIBLE				2	N5262PU 7	œ	-		* ^	•
PFC NS T	25																																	3	•	Ĭ	Ž	Se	2					
ž 2																																												
	ACE. 1																																	7	•									
<u> </u>	AL TR																																	AI IN										
N I	f. 0U																																	, E										
ICATI	OSCOP																																	שא כי נושי										
SPECIFICATION MANF	DSCILLOSCUPF, DUAL TRACE, DC-																																	OSCILLOS COPE. DIAL TRACE. DC-										

PART I CROSS-RFFFRENCE LIST GEMFRAL PURPOSF THDF DTS ETE SPFCIFICATIONS

SPECIFICATION NAME	SPFC	TYPE DESIGNATOR MFR. M	MFR. MODEL NO.	MFR. CODE	HOHENCLATURE	FAMILY CODE	6P LTR	ID MO.
OSCILLUSCOPF. DUAL TRACE, DC-	*	FUNCTIONALLY COMPATIBLE	1816					
		7870		80008		060		1577
		1441		80009	BASE	060		1579
		7104A		80008	NOOO9 OSCILLOSCOPE	060		1456
OSCILLOSCOPE, DUAL TRACE, DC-	25	FUNCTIONALLY COMPATIBLE	1016					
		US 246P U 7844		80009	USCILLOSCOPE DUAL BEAM	080		1457
					RENTIAL AMP	000		0803
		R5030			DUAL BEAM	000		1011
		SPR100			ELECTRONIC MARKER GENE	000		1556
		702A	•	60000	USCILLUSCUPE DUAL BEAM	9 6		7446
		155			DUAL BEAM	0 0		1505
					GENERAL PURPOSE DUAL B	000		1509
		1142			FIER SINGLE TRACE	. 080		4587
		7424		_		080		3560
OSCILLOSCOPE, DUAL FRACE, STO	\$3	FUNCTIONALLY COMPATIBLE	IBLE					
		#\$26IU 475A		80009	08611108607	085		0788
						960		15.20
		1944			SIDRAGE	160		1084
		+9+			OSCILLOSCOPE STORAGE	\$60		4852
		646				160		1504
		6362			STORAGE	960		1449
		7514			STORAGE	960		1451
				4.000		,		1005
PHASE SITTER MFTFR	5	FUNCTIONALLY COMPATIBLE	IBLE					
		HF 490U 48A3		50319	50319 METER PHASE JITTER	037	٥	1629
		0140		76069	R FUNCTION	037	٥	9451
		1111200			IITER	037	٥ (2366
		¥1021		20137		260	2	5777
PHASE METFR	ç	FUNCTIONALLY COMPATIBLE	IBLE					
		153792U 3575A		28480	GAIN/PHASE METER	030	ں	1488
		052		05606	NGL E	038	ى ر	1530
		4086 4086		94668	METER FIASE ANGLE FREO TRANSLATION T S	038	د	1214

10 NO.

 PART I CRUSS-REFERENCE LIST General pupping time dts fte specifications

SPECIFICATION NAME	SPEC		TYPE DESIGNATOR HFR. MODEL NO.	MFR. CODE	NOMENCLATURE	FAMILY CODE	GP LTR
		PARTIALLY COMPATIBLE	SHPAT I BLE				
			53		AMALYZER IMPEDANCE COMPONENT	038	U
POWER METER OF IN-LIME	3	FUNCTIONALL	FUNCTIONALLY COMPATIBLE				
		ANURMI 20 Anurma6 Anurma6a	5K130094 67C 6733000	70407	MATTNETER MATTNETER MATTNETER	0 6 6 0 4 0 0 4 0 0 4 0 0 4 0	ں ں ں
		ME165G TS1285URM120	52500 164FMW 164B	12991	STANDING MAVE RATIO POWER METER WATTHETER HATTHETER	063 082 082	
		PARTIALLY COMPATIBLE	JMPATIBLE				
		AMURM1.67 AMUSM298 HE441U	6151A 43 432A 428	70998 T 70998 T 28480 ME 04901 PE	T S RF POWER T S Radiu Freg Power Meter Power Power Weter	040 041 041	000 x
POWER HETER SIN	6	FUNCT JUNALLY	FUNCTIONALLY COMPATIBLE				
						•	•

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040	5 6	041	1+0	150	140	140	140	041	041	140	041	140		053	053	040	040	040	70	140	1+0	-140
26460 WATTHETER	28480 T S RADIO FREG POWER T S	28480 HETER POWER	65092 T S FREG COUNTER	11332 POWER NETER	77327 HETER POWER DRY CALORIMETER	28480 METER PUMER	28480 POWER METER	28480 POWER METER	28480 METER PONER	28480 METER PUNER	99899 METER PINER	28480 THERMISTOR MOUNT		-	_	70998 I S RF PUNER	-	_	04901 WATTHETER RF	28480 METER PUHFR	28480 WATTHETER	11332 WATTHETER
430CH477	4310	4324	6515094	4608	x670	4308	431CY 10	432AE 12	4328	435A	1400	84768	PARTIALLY COMPATIBLE		5HD319527	6151A	151		4.290	432A001	436A	450
ANURH96	ANUSH260	ME 441U	MESIUP	153546U									PARTIALI	ANUPAGO	ANIIPHEOA	ANURALS	ANUSHIBI	15125AP				

GEMERAL PURPOSE THOE OTS FTE SPECIFICATIONS

SPECIFICATION NAME	2 € 3 €	TYPE DESIGNATOR	MFR. MODEL NO.	MFR.	NDHE NCL A FURE	FAMILY	6. E. H	10 MG.
POWER METER SIE	Ş	PARTIALLY COMPATIBLE	OMPATIBLE					
			8553A 89008	28480 (ANALYZER SPECTRUM Calibratur Peak Poner	190	ى ن	1695 2579
O METER	٦	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		1561780	15617		METER O	240	m	1064
		15617CU 15617U	1604	51865 0	O METER O	240 045	w	1065 1063
		PARTIALLY COMPATIBLE	OMPATIBLE					
			151245		O METER	045	w	1558
			190A 260A	04460	O METER O METER	2 5 0	<u>.</u> . u	1525
			4342A	_		240	z	4572
SFMI-CONDUCTOR TEST SET	5	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		ANUS M2 06	245HA	93346	SE MICONDUCTOR	949	u.	0472
	•	ANUSH206A	902470	28569	SE MT CONDUCTOR	045	w	0473
		TS1100AU		93346	S SEMICONDUCTOR DEVICE	540		11.12
		TS1836AU	2190	24624	TRANSISTOR	645	ı w	1169
		1518368U	245HF	24624	SEMI CONDUCTOR	045	w	1170
		TS1836CU		34639	SENT CONDUCTOR	045	.	11.2
		15183600	105206	28569 1		045	w 9	3716
		1516560	1172	14558	S TRANSISION	045		20 E
		IS26BAU	C11603A	80077		045	w	6960
	-	152688U	C11603A	80077 1	CRYSTAL	045		0660
		15268CU		74096	S CRYSTAL RECTIFIER	5.50	 .	1660
	-	ISSAR!	15268	94518		045		6660
		15268U	THIORL	80077	CRYSTAL	045	.	9960
			215	28569 /	_	240	z	4420
			240	93346	S SEMICONDUCTOR	045		2508
			300	96641	S SEMICONDUCTOR DEVICE	640	: ب	100
			530		NSISTOR	~ 5	Z L	9763
			870A	28569	TESTER TRANSISTOR AND DIODE TESTER TRANSISTOR	045	.	6152 8167
		PARTIALLY COMPATIBLE	OMP AT 181.F					
			£		TESTER TURE COMPRAST TRSFR	072	•	2547
			575		OSCILLOSCUPE TRANSISTUR CURVETRACER	045		7157
			576	80009	TRACER SENICOMDUCTOR CURVE	045		5152

PART I CRASS-REFERENCE LIST General purpuse that ots ete specifications

SPECIFICATION NAME	SPFC H:1	TYPE DESIGNATOR	NFR. MODEL NO.	MFR. CODE	NOMENCLATURE	FAMILY Code	Y 6.	10 NG.
SEMI-COMDUCTOR IEST SET	č	PARTIALLY CONPATIBLE	IMPATIBLE					
			7620	92860	f S SEMICONDUCTOR DEVICE	940	w	5698
SIGNAL GENERATOR, HF	0.1	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANURMIOJ	S MD6 30500	82199		150	∢	9384
		SGIOIOFLROV	3300481151 H1844	15770	CENERATOR SIGNAL GENERATOR SIGNAL	051 051	z <	5110 3276
		PARTIALLY COMPATIBLE	HPATIBLE					
		ANGPHI 5		82076	CENERATUR SIGNAL	050	<	6510
		ANGPALSA	CA748	82076		050	<	0100
		ANGRM50	606A	28480		150	∢	1210
		ANGRASOA	115074	28480		150	⋖ '	5210
		AXGRASO8 ALCOLSOC	606AC15	28480	GENERATOR SIGNAL Generator Signal	150	< <	9210
		ANURH258D	315	21900		150	. ≪	0341
		ANURM25F	16.20003	92428		150	•	6342
		ANURH25H	182281	66150		150	4	0343
		ANURA25J		26648			۷ .	0344
		ANURAGE	245A	10000			٠.	2750
		**************************************	6504	70740	VOLIMEE SIMMOAKU KAULG PRI CENFRATOR KICHAI	100	< <	0,440
		ANUSH 205A	62051	25778	GENERATOR SIGNAL	900	< ≪	0250
		ANUSH212	754004 7001	13499		150	< <	9250
		ANUSH269	13104	24655	-	900	∢	0498
		ANUSH 2 2	161	60009		150	∢	1050
		ANUSHILI	12116	24655		901	⋖	0523
		AC 176		80063		901	∢ •	0546
		2610380	¥10/f	20151	CENERALLY SIGNAL CENTRAL	901	< 4	F ^ ^ 80
		2070	A 5.A	14140	- 2	150	٠ -	5/80
		SG479CBM50	60hA	28480	CENERATOR SICHAL	150	<	0856
		565110	606A	28480	CENFRATOR SIGNAL HF	051	⋖	0858
			BC1/6#	94486	CENFRATOR SICHAL	901	⋖	5349
			F 5 3 A	12420	GENERATOR STONAL	900	٧.	6651
				2 2 4 4 2	DECEMBER AND AND AND		٤ 4	3 74 6
			1904	80009	GENERATOR SIGNAL	150	٠ <	71.97
			100	80009	GENERATOR SINE HAVE	051	<	2691
			2029	28480	CUNVERTER FRED	150	◄	1769
			\$1108	28480	SYNTHESIZER DRIVER	150	∢	2 VB]
			6068	28480	CENERATOR SIGNAL	150	«	1643
			TJOAR	28480	T S FREG RESPONSE	150	∢ .	1291
			7806	77327	CENTRATOR SIGNAL ANTEN		∢ .	184 ×
			86508	08562	SYNTHESIZED SIGNAL GENERALDR	101	<	2

PART I CROSS-REFERENCE LIST General Purposf Inde DTS ete Specifications

				2		FAMILY	5	
SPECIFICATION NAME	2 2	TYPE DESIGNATOR	HFR. MODEL NO.	C00€	NOME NCL A TURE	3000	1	10 NO.
SIGNAL GEMFRATOR. HF	6	PARTIALLY COMPATIBLE	HPAT I BLE					
			84601A 8708A	28480	RF SECTION Generatur Signal P I Synchronizer	051 ER 106	∢ ∢	7089 7081
SIGNAL GENFRAINR, PULSE	6	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		AMCPAIS		82076	GENERATOR SIGNAL	050	<	0159
		ANCER 15A	CA748	62076	GENERATOR SIGNAL	020	⋖	0160
		ANPER	212A	28480		020	⋖ ·	0519
		ANUPAIS		98179		020	٠ .	9110
		ANUPHI 5A	11997	15196		2 0	٠ ٠	7150
		ANUSH255	792A	72314	CENERATOR SIGNAL	0.00	٠.	7 146
		ANUSH 159	115	60008	FULSE GENERATOR	25.0	< <	1950
		AMCSMAN		10000	CENERALISE TOLSE	0.00	< -	0820
		56.34.3UFR1.5A	91,000	04140	DATE TO THE PRINCE OF A	020	<	0855
		CCATOMENTO	15.00	36004		050	<	0827
		SCENED TO SCENED	2124	28480	GENERATOR PULSE	020	∢	0830
		SCA9PPH1	212A	28480		050	<	9918
		269684	2118	28480		150	z	4804
		T\$592AUPH15	A \$ 1018	89588		020	<	1059
		15592UPH15	382663F			020	∢ .	800
			878	26490	CENTRATOR PULSE	0.00	٠ •	1676
			14	04596	PULSER MINI	969	< .	7161
			7632	24141	GENERATOR PULSE	0 0	< <	
			101	15933	-	0.00	٠ ،	1007
			1013	66129		0.00	c 3	5014
			1108	11890		0.00	2 3	9014
			1144	11990	GENERATUR FULSE		٤ <	
			2/171	6407	CENERALUS FULSE	0.50	<	1889
			1124		-	020	~	1850
			7144	28480		050	⋖	3348
			2184	28480		020		1852
			222A	26480	GENTRATOR	020	∢ ·	1853
			1062	60009	CENERATUR FINE MARK	640	⋖	0 2
		PARTIALLY COMPATIBLE	DMPATIRLE					
						150	4	0410
		ANDRES		77.76	31344 4 4	200	٠ <	1510
		ANUPRASA	000051			050	•	2007
		5611055	86108			020	<	2576
		5637.6	ALCANDIA AND AND AND AND AND AND AND AND AND AND			050	<	0852
		50 Short	\$204 \$204	80138		020	<	1580
		10 15 5 A 110	5	4000		053	•	0473
		151559116		28480		053	⋖	1260
								,

PARF I CROSS-REFFRENCE LIST General purplisf tade 075 etf specifications

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NDHENCL A TURE	FAMILY CODE	r i	10 NO.
SIGNAL GENFRATOR, PULSE	5	PARTIALLY COMPATIBLE	MPAFIBLE					
		f5155EUP	35×107 FG504T	89194 80009	GENERATOR SIGNAL Generator function	053	< z	0975
			K7006	28480		020	< :	3273
			PG502	00000	GENERATUR PULSE Generatur Pulse	0 0 0 0 0 0	z z	/014
			PSXI	04453		901	: z	4108
			1650101	80009 78480	TIME MAKK GENERATOR Generator Place	0 4 4 0 4 4	< <	52.7
			1398	13468		020	: ∢	1830
			19204	28480	GENERATOR PULSE	020	٧.	18.18
			216A	28480		0 20	< <	1681
			210	11890	GENERATOR PULSE	050	z	+874
			3320807	28480	SYNTHERIZER FREDUENCY CEMEDATOD ALCHAI	649	z <	1873
			A0058	28480	CHARLES BLS CA	9 6	٠ <	0741
			6082A	28480	CENERATOR PULSE	0 20	æ	1194
SIGNAL GENFRATOR, SHF A	02	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANURH61A	C015303007	99180	GENERATOR SIGNAL	053	⋖	0362
		013166	10000001	90348	OSCILLATUR TRANSLATION	053	< -	3544
		15403AU 15403AU	616A 0015303006	28480	GENERATOR SIGNAL Generator Signal	107	< <	9101
			8919			05)	<	1011
		PARTIALLY COMPATIBLE	MPATIBLE					
		TS155AUP		80034	GENERATOR SIGNAL	053	<	6 2 6 0
		151558UP		28480		053	∢	7260
		15155EUP	35×107	16168	GENERATOR SIGNAL	653	< •	5240
			CX 7006	11327		053	< ≪	3265
			0661159	77327	MULTIPLIER FREG	053	< ⋅	2317
			4010A	09497	USCILLATUR SYNCHRONIZER	623	4	90
SIGNAL GENERATOR, SHE B	ě	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANURM170	3614			053	⋖	0400
		ANURHS2 Anurhs24	6108E106	28480	GENERALDE SIGNAL	623	٧.	0358
		ANURHS 2B	C674100	02572		053	: ◀	0360
		206766	122045			053	⋖・	0.96.0
			\$188 \$288	09497	GEMERAIOR SIGNAL	7 ()	4	100

PART I CROSS-REFERENCE LIST General Purpose inde dis etf specifications

SPECIFICATION NAME	SPFC	TYPE DESIGNATOR	HFR. MODEL MD.	MFR.	NUME NCL A TURE	F AM IL Y CODE	5 T	ED NO.
		PARTIALLY COMPATIBLE	DHPAT IBLE					
			CX 7906	77327	GENERATOR SIGNAL P I	053	∢	3265
			U661159	77327	MULTIPLIER FREG Centertos modiu as meconumos elemas	053	< •	3317
			26504	78480			< <	1667
			9919	28480	GENERATOR SIGNAL	053	. ∢	1644
SIGNAL GENERATUR. SHF C	0.7	FUNC 7 I DNAL L	FUNCTIONALLY COMPATIBLE					
		ANUSH 190	620ARHOL	28480	GENERATOR SIGNAL	053	< :	0465
		269440	6208	28480	GENERATUR SIGNAL GENERATOR SIGNAL	053	E <	2880
		PARTIALLY COMPATIBLE	JHP AT I BLE					
		ANURHA	,	82199	T S RADIO	053	<	0350
		ANDRH+4A	1350000 U661159	77327	T S RADIO HULTIPLIER FREG	053 053	« «	3317
			1107	82199	GENFRATOR MODULAR MICROWAVE SIGNAL	053	٠	1826
SIGNAL GENERATOR. SHF D	5	F UNCT I DNALL	FUNCTIONALLY COMPATIBLE					
			1 709A	66178	82199 SIGNAL GENERATOR	053	•	9181
		PARTIALLY COMPATIBLE	DHPAT I BLE					
			K661159			053	⋖	1274
			0,7006	77327	GENERATOR SIGNAL P I	05)	∢	3316
SIGNAL GENERATOR. SHF E	6	FUNCTIONALLY	FUNCTIONALLY COMPATIBLE					
		ANUSH48	628A 1710A	28480	GEMERATOR SIGNAL SIGNAL GEMERATOR	053 053	₩ <	1637
		PARTIALLY COMPATIBLE	MPAT I RLE					
		ANUPHEO		66128		053	•	67(0
		ANUPHEGA	SMD319527	82199	T S RADAR	053	< ∙	9356
			0002 N		GENERATOR SIGNAL P I	023	٠ <	3116
SIGHAL GENFRATIR, SHF G	Ξ	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			A661159 S7006	7327	77327 MULTIPLIER FREG 77327 GENERATOR SIGMAL P 1	053	< <	3247

PART I CRUSS-RFFERENCE LIST GFNERAL PURPOSF INDE 0TS ETF SPFCIFICATIONS

SPECIFICATION NAME	SPFC NU	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NOMF MCL A TURE	4.5 2.5	FAMILY G	35	.0 × 0.
		PARTIALLY COMPATIBLE	mpat i rle						
			A 7006	77327	77327 GENERATOR SIGNAL P I	5	053	<	3246
SIGNAL GEMFRATOR. SHF H	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE						
			CX 7006	11327	CENERATOR SIGNAL P 1	5	053		3565
			K661159	77327	MULTIPLIER FREG Consertos escas, astrodusas		053		3274
			30800 U661159	7327			053		3317
			U7006 8672A	77327	GENERATOR SIGNAL P I	053	053 053	4 2	3316
		PARTIALLY COMPATIBLE	MPATIBLE						
		ANURM52	61886106	28480	CENERATOR SICHAL	6	053	4	0358
		ANURH52A	6188	28480		6	053		0359
		ANURHS 28	C674100	02572		6	053		0 3 6 0
		Anurhe I A	C015303007	09166		6	053		290
		ANUSM 190	620ARHOL	28480		50	053	~ (0465
		ANCENTE	628A	28480		5	053		9750
		1548540	616A 0016101004	08487	CEMERATUR SIGNAL		.01	۷.	0101
			26504	26711		101	2 5		3
			61688	28480	CENERATOR SIGNAL		053	. <	1864
			86603A	28480	RF PLUG IN UNIT	053			4620
SIGNAL GENFRATOR, THERNAL MOI	2	FUNCTIONALLY COMPATIBLE	COMPATIBLE						
		SC453BU	13904	24655	CENERATOR THERMAL MOISE	00	055		1633
		S6453U	1390B FFS56	24655 06819	GENERATOR SIGNAL THERMAL GENERATOR NOISE	NO 1 SE	055 055	2 <	4102 1924
		PARTIALLY COMPAFIBLE	MPAF SBLE						
			P ANF 175	12678	INDICATOR NOISE FIGUIRE AUTOMATIC		055	z	0614
			16115	03782	MICROMANE IMPULSE SOURCE	050	0 4	<:	1878
			3408	28480	METER MOISE FIGURE	6	2 =		\$22
			3722A	28480	HOISE GENERATOR	055	i.		0194
SIGNAL GENERATOR. TRACKING	•	FUNCTIONALLY COMPATIBLE	COMPATIBLE						
		SG1122U SG1125U	8443A 8444A	28480	28480 FRACKING GENERATOR/COUNTER 28480 GENERATOR, IRACKING	ER 056	9.9	υυ	3585 1690

PART I CRUSS-FFERENCE LIST General Purposf inde ots etf specifications

SPECIFICATION NAME	S C	TYPE DESIGNATOR	MFR. HODEL MO.	MFR. CODE	MOMENCLATURE	FANILY	. ¥	.0 n 0.
		PARTIALLY COMPATIBLE	JMP AT I BLE					
		ANUSH306V		94668	T S RADIU	011	U	\$150
		AMISA306V1	3055	94668	T S RADIO	2:	، ب	9150
		012226	1054	94440	COST STREETS STOR SERVORETERS STORE TRANSPORTER STORE TO SERVICE TRANSPORTER CANTER		ے ر	2433
			3134	28480	OSCILLATOR TRACKING	056	ں ،	1640
SIGNAL GENERATOR, U1F A	2	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		AMURHS6	612A	28480	GENERATOR SIGNAL	101	z	4596
			#1874 P 7005	16469	GENERATOR RF POWER P 1 GENERATOR SIGNAL P 1	107 107	< <	3279 3283
		PARTIALLY COMPATIBLE	DMP AT 18LE					
		ANURH149	S HD6 30000	82199	CEMERATOR SIGNAL	101	<	0396
		ANURMA		35225		101	<	9580
		ANURH49A	X00000149	35225		101	<	7510
		ANURH64A1	100+09103	03877		101	⋖ :	0 36 5
		ANURM64A2	031204000	12365		201	« •	976
		4.007.004.1 4.009.004.2	[014104001	76807	CENERALUK DIGNAL	201	< <	2020
		ANUSH213	86148	28480		701	. <	2250
		ANUS M2 13A	84148	28480		101	٠	9740
		ANUSH251	12090	24655		107	⋖ :	0720
		ANUSHOLZ	1362	24655		101	⋖ ·	0522
		\$6340A6	V219	28480	GENERATOR SIGNAL	201	۷٠	6450
		154190	514 H12	00407		2 2	<	2101
			\$6504	80009		106	z	40.96
			15122	16469	POWER CENERATUR (CALIBRATION)	101	z	4093
			4 70A 1 000	94668		201	⋖・	1642
			80008		DINITESICA STONAL GENERALUM		٠.	6000
			84402F	78480	F	2	< <	15.87
			866318	28480	AUXILIARY SECTION	101	٠ ح	1602
			86632A	29480	HUDULATION SECTION	701	<	2002
			865328	28480	GENERATOR SIGNAL MODULATION SECTION	901	z	1887
SICHAL GENERATOR, UHF B	2	FUNCT I DWALL	FUNCTIONALLY COMPATIBLE					
		ANURHGAAL	C01604001	03877		107	~	9910
		ANURH64A2	031204000	12365		107	۷.	0366
		ANUTRAL	C016104001	768097	CEREBATOR SICRAL	2 6	< <	0.064
		ANUSR213	8514A	28480		101	<	2750
		ANUSH213A	84148	28480	GENFRATOR SIGNAL	107	٠	9250

GENERAL PURPUSF INDE DIS ETE SPECIFICATIONS CRASS-RFFFRENCE LIST 1 1114

SPECIFICATION WANT	SPC C NO	TYPE DESIGNATOR	HFR. HODEL NO.	HFR. CODE	NGME NCL A TURE		FAMILY CODE	2 T Z	10 A0.
SEGNAL GENERATOR, WIF B	2	F UNCT 10NALL	FUNCTIONALLY COMPATIBLE						
		SG97FRC	4+14	28480		4	201	•	11 90
		154190	H12 1 2004	11111	GENERATOR SIGNAL	4 =	6	< <	1012
			12058F		MODULAR HICRON	MODULAR MICROWAYE SIGNAL SOURCE	201	٠ <	1711
			1205F		SIGNAL GENERAT	GENERATOR MICROWAVE	101	•	1847
			185008		CENFRATOR SIGNAL	AL	107	<	2581
			470A1600	94668	GENERATOR SIGNAL	AŁ	101	<	1981
		PARTIALLY CO	COMPATIBLE						
		ANIBER 149	2404.3000	A 21 99	CEMERATOR SIGNAS		201	•	40.0
		ANURMETA	C015303007		CENERATOR SIGNAL	1	053	۲ <	0362
		ANUSM251	12090	24455		AL	101	⋖	0758
		154180		10640	SIGNAL CENERATOR	8	101	z	1152
			15122	16469	POWER GEMERATO	POWER GENERATOR ICALIBRATION!	101	Z	4043
			2650A		OSCILLATOR SYNCHRONIZER	CHRON12ER .	053	⋖	1067
			86602A		RF SECTION		107	∢	2090
			866028	28480	P I UNIT RF SECTION	CTION	101	<	3587
SIGNAL GENERATOR, WHE A	1.1	FUNCTIONALL	FUNCTIONALLY COMPATIBLE						
		AMUSHAAB	6046 E 0 2	28480	CEMERATOR CICHAL		ě	•	
			1363		OSCILLATOR VHE	ŧ	901	ı z	908
		PARTIALLY CO	COMPATIBLE						
		ANGERSO	606A		-	4	051	۷.	0174
			4/0C11	09497	GENERATOR SIGNAL	, r	150	٠.	212
		AMCEMSAC	0704617		CENERALUR SIGNAL		140	٠ -	2.70
		ANURALS	608E				901	٠ <	
		ANURH49					101	<	0356
		ANURH49A	K00000149			AL.	101	<	0357
		ANURHOJ	245A	10640	VOLTACE STANDARD		150	∢	2710
		ANURNGJA	2450	10640	-	RADIO	150	⋖	0376
		ANUSH251	12090			۸L	101	<	0758
		ANUSH272	161			۸L	051	∢	1050
		ANUSH312	1362		-	AL	107	⋖	2250
		ANUSH 11 1	12110				90	۷.	0523
		5610930	86408		_	AL AM-FM	901	⋖ ·	1/02
		56 340AC	612A	28480		AL.	201	⋖ ·	0849
		1 S 4 7 / AURE				A.	9 9	∢ .	1032
			5A4114704			; ,	9	٠.	101
		1217/048	5000		CEMERATUR SICHAL	, ,	9 5	< ⋅	
			****	.0140	CENERATUR STUMPL		100	< 3	9776
) }	E	B 2

PART I CRUSS-RFERENCE LIST GEMERAL PURPUSF INDE DTS FTE SPFCIFICATIONS

SPECIFICATION MANE	SPEC	TYPE DESIGNATOR	MFR. HODEL NO.	HFR. CODE	NOHENCLATURE	F AMILY CODE	6.7	IB NO.
SIGNAL GENFRATOP, WHF A	2	PARTIALLY COMPATIBLE	OMPAT IRLE					
			56504	60009	GENFRATOR SIGNAL		z	40,04
			15122	16469	POWER GENERATOR (CALIBRATION)		z ·	£0.3
			47041000	0000	GENERALUR SIGNAL	250	< <	7491
			7505138	13013		901	<	1872
			8640A	28480	CENERATOR SIGNAL	901	<	1651
			66406001	28480	SIGNAL		⋖	1543
			86608	28460	SYNTHESIZED SIGNAL GENERATOR		∢ ·	2073
			86601A 8708A	28480	RF SECTION Generator Signal P I Synch	U SYNCHRONIZER 106	< <	2069 2081
SIGNAL GENERATOR, WHE B	9	FUNCTIONALLY	FUNCTIONALLY COMPATIBLE					
		ANFRHIO		13094	TEST OSCILLATOR	901	4	0570
		ANURH109	110161	79300	GENERATOR SIGNAL	901	⋖	0 368
		ANUPH15	608E	28480		907	∢	1013
		ANURMIBI	H202	28480		106	∢ •	4040
		ANURM26	+62	00612		901	٠ -	C 5 6 6
		ANUMIZA	114016		GENERALUR SIGNAL	9 6	• •	2450
		ANTIRMS	100190	87793		901	₹ <	000
		ANURMA		15196		901	∢	0.155
		ANURM 70		07450		901	۷	0367
		ANUSH252	25121	24655		902	∢ ·	0487
		ANUSM313	21121	24655		901	٠.	6250
		ANCOR44 ANIOR44	6040E802	28480	GENERATUR SIGNAL Generatur Signal	961	< <	1236
		ANUSHAC	100713	25778		90 -	: 2	100
		BC 376		80063		901	∢	0546
		5610380	3701A	28480	SIGNAL	106	∢	6.90
		5610930	66408	28480	GENERATOR SIGNAL AM-FR	901	∢ <	2071
		56120	10011040100	15196	CENTRAL CAN CANCELLO	90	٠.	2790
		SGIJARN		16636		901	<	0423
		SG 309GRC47	60AC	28480		901	<	0843
		SG66ARMS	¥.	00781		106	∢	8780
		SCARRARMS	16650	18200		901	⋖ .	6790
		SCA6 7U	470A500	98329		901	∢ •	0880
		Scarao	608F	08482		901	٠ ٠	990
		56477U	3/008	08487	CENERATUR SICHAL		< <	7501
		T C 4 0 2 C 110 D	5 MB 2 14504	04423		200	٠ <	101
		15497088	608C	28480		90	: ◀	1001
			8C376H	94486		901	4	2349
			MEC100C			901	z	4120
			M1854	16469	GENERATOR SIGNAL	901	∢	3211

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PART I CROSS-REFERENCE LIST General purplisf inde ots ete specifications

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	TOR MFR. MODEL NG.	MFR.	HOMENCLATURE		FAHILY CODE	2 2 2	10 MG.	
SIGNAL GENFRATOR, VHF R	=	F UNCT I ON	FUNCTIONALLY COMPATIBLE							
			H1864	16469	CENERATOR RF POWER	- 4 %	901	<	3278	
			TF1066A	09553	SIGNAL GENERATOR		90 T	۹	7191	
			1F1247	09553	OSCILLATOR		90	۲ <	1920	
			1024	10640	GENERATOR SIGNAL		901	⋖	1630	
			106686	09553	GENERATOR SIGNAL	2.4	901	⋖	1825	
			12156	24655	•		901	۷	6781	
			202E	28480			901	<	1635	
			211A	26480		!	90	∢ ·	1638	
			609CR	28480		VHF	901	<	3366	
			7505138	33013			9	٠ ٠	2291	
			6640A	28480			901	⋖	1891	
			46406001	28480			2 :	٠ ٠	1593	
			866328	20400	CENERATOR SIGNAL	MODULATION SECTION	901	< z	1344	
		PARTIALL	PARTIALLY COMPATIBLE							
		ANGPRIS		82076	GENERATOR SIGNAL		020	•	6129	
		ANGPHI SA	CA748	82076	GENERATOR SIGNAL		020	<	0910	
		ANG 4H50	606A	28480			150	٩	7110	
		ANGRM50A	11507A	20400	GENERATOR SIGNAL		150	∢	3210	
		ANGFRSOR	606AC15	20400	GENERATOR SIGNAL		150	۷٠	9110	
		AMBREADIC	A124	10690	VOLTAGE STANDARD	SADIO FRED	156	٠ ٠	220	
		ANIJEMOJA	2450	0640	VOLTAGE STANDARD	RADIO FREO	051	. •	07.0	
		ANUSH251	12090	24655	GENFRATOR SIGNAL		201	<	0758	
		ANUSM272	161	80009			150	<	1050	
		ANUSH312	1362	24655			201	⋖ ·	0522	
		56340A6	612A	26480	GENERATOR SIGNAL		200	< <	649	
		SC 3640	50.00 5.00 b						7.00	
		154180		10640	SIGNAL GENERATOR		~ 01	z	1152	
			R 1200A	01537	FM SERVICE MONITOR	~	901	z	4116	
			56503	60000	GENERATOR SIGNAL	4	90	z :	6604	
			605	28480	GENERATOR SIGNAL	11 LER	2 5	٠ <	1641	
			8660A01040509	28480			90	z	5186	
			8550C	28480	R.F. STHTHESIZER		901	z	4635	
			866028	28480	P I UNIT RF SECTION	NO.	201	⋖	3587	
			964318	28480	AUXILIARY SECTION		201	⋖ ·	1602	
			86632A	28480	MODULATION SECTION	Z	201	∢ ;	7607	
			82084	2040	ARTEN NOUGLALIUN Genebator Cichal D. 1 Cyncholaire		9 6	E <	100	
			E) 	J		3	ľ	,,,	

PART I CRASS-RFFERENCE LIST Gemeral purpase inde ots ete specifications

SPECIFICATION MANF	SPFC	TYPE DESIGNATOR	MFR. NODEL MO.	MFR. CODE	NOME WCLATURE	FAMILY	9 1	10 MO.
SPECTRUM ANALYFE, BASEBAND	99	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		1710180	3608	9466	ANALYZER SPECTRUM	090	×	4086
			LCAI	19190	AMALYZER SPECTRUM	000	ں	3737
		152333USM	3104	28480	ANALYZER SPECTRUM	090	v	1192
		1531500	RIASURS	03782	ANALYZER SPECTRUM	090	J	1222
		151170AU	3608	94668	ANALYZER SPECTRUM	090	J	3352
		PARTIALLY COMPAFIBLE	HPAFIBLE					
		ANUSHIOGY		94668	T S RADIO	110	U	9150
		ANUSH306V1	3055	94668	T S RADIU	011	ن	9150
		ANUSH424	3040A	28480	METWORK AMALYZER	059	J	1668
		PL 1 38 7U	8556A	28480		180	⋖	2692
		Pt.1388U	85528	28480	AMALYZER SPECTRUM	190	J	9911
		151830AU	302A	28480	AMALYZFR WAVE	075	z	4773
		15163000	302AR	28480	ANALYZFR SPECTRUM	050	J	1167
		1527210	305	94668	CONM TRANSMISSION MEASUREMENT SYSTE	110	U	2433
			TSAW	85199	SPECTRUM ANALYZER	790	I	4005
			305A	94668	TRANSMISSION MEASUREMENT SYSTEM	110	J	2 38 0
SPECTRUM ANALYZER. LOW FREQUE	65	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANIIPRITI	48154	01782		3		7110
		15.16.2A.2A.2T	1580A	28480		. 50	Ü	1670
		1561540	3004	28480		0.29	ں ر	1061
		1561580	300A	28480		020	ں ,	1062
		156150	736A	24655		050	ں ،	1060
			L.3	60008	HODULE IMPEDENCE	190		4088
			1558A	24655	ANALYZER MOISE AUDIO FREGUENCY	059	ب	1991
			3570A	28480	NETWORK ANALYZER	050	Ų	1669
		PARTIALLY COMPATIBLE	MPAT I BLE					
		ANUSH424	10404	28480	NETWORK ANALYZER	050	ب	1668
		PL1367U	8556A	26460	ANALYZER SPECTRUM LF TUNING SECTION	190	•	2692
		PL 1 398U	85528	28480		190	J	9911
		TS1830AU	302A	28480	AMALYZER MAVE	075	ĸ	4113
		15183000	302AR	28480	ANALYZFR SPECTRUN	050	v	1167
			SPALD	03782	ANALYZER SPECTRUM	190	U	1608
			3591A	28480		110	ں	1947
			3594A	28480	OSCILLATOR SWEEPING LOCAL PLUG IN	020	: ن	1671
			7L 4R	40000	STELIKUM ANALTZEK	624	E	

PART I CROSS-RFFERENCE LIST General purpose thos dis etf specifications

SPECIFICATION NAME SPECTRUM ANALYZER, RF

NO TYPE DE	IYPE DESIGNATOR	MFR. MODEL NO.	UFL NO	. CODE	NOMF NCL A FURE	TURE		2000	LIR	10 MD.
68 FU	FUNCTIONALLY COMPATIBLE	COMPATI	BLE							
ANUPHI 10	•	LA18M		35225	AMAL YZER	SPECTRUM		190	U	0780
ANUPHSB		SCDL 169906	90	8008			_	190	U	0324
ANUPABA		9110056		28480	-	SPECTRUM	_	190	ں	0328
ANURMI 34A	4	55R3B		80052	TEST SET	RADIO		190	z	1014
ANUSH307V	7.4			28480	ANALYZIR NITHORK	NUTHORK		790	ں	0517
ANUSH307V1	1/1	8410AE14	_	28480	ANAL YZER	NE T WORK		240	U	0518
ANUSH366V	A9	161		80009	ANALY ZER	SPECTRUM		190	U	0540
CV3427V1U	21	3730A		28480		ANALYZER SPECTRUM		290	J	3761
F14140		84458		28480		TOR AUTOM	PRESELECTOR AUTOMATIC TRACKING	290	U	1692
1P1216PGR	Ç	1111		28480	-	SPECTRUM	AMALYZER SPECTRUM DISPLAY SECTION	190	ں	6691
IP173AU		SBBA		03782		INDICATOR PANORAHIC	110	190	ں	0544
1917380		SRBA		03762		INDICATOR PANDRAMIC		190	ں	0090
1P 1 73CU				03782	INDICATOR	R PANORANIC	10	190	ں	0585
171730		SAB		03782		INDICATOR PANDRAMIC	i.c	190	ں	0578
FL1391U		71.5		60000		SPECIRUM ANALYZER		050	U	1625
PL 1 1920		1115		80008		SPECIRUM ANALYZER PLUG IN	PLUG IN	190	ں	1626
Pt. 1399U		85538		28480		ANALYZER SPECTRUM	RF SECTION	190	ں	1696
PL 1400U		8555A		28480		SPECTRUM ANALYZER		790	ں	3586
Pt 1406U		85548		28480		SPECIRUM ANALYZER	RF SECTION	190	ں	1697
1514806		81378		91820		SPECTRUM ANALYZER		790	z	0915
1532370		725		11890		ANALYZER SPECTRUM		190	U	1236
T\$622AU		13500500	_	77327		R SIGNAL		290	U	1073
156220		P12651		94486		K SIGNAL		790	ں	1006
		P S A 2 3 1		23369			PLUG IN	190	U	1603
		8491		90009			RACKHOUNTED	062	ں	3284
		SAZOA		03782				190	ں	1665
		SARSWA		82199	_			290	U	1606
		287		03782				790	ں	1607
		SPA325A		03782	-	SPECTRUM		190	ں	6091
		11.10		80004		SPECTRUM		190	ں	1617
		11.20		80009	-		7.00	790	ں	1610
		1401A323P7	_	8000A				190	I	486
		71.13		60000		SPECTRUM		190	ن	1627
		70751		12678		SPECIRON		190	U	1649
		01250150	_	28480	ANAL YZER	HICROWAVE	E NETWORK	790	ں	1686
		84105310	_	28480		MICROWAVE	E NETWORK	290	ں	1687
		8505A		28480	ANAL YZER	NE THORK		190	z	4594
		851A8551A	*	28460	ANAL YZER	SPECTRUM		290	د	3760
		85518		28480	ANAL Y ZER	SPECTRUM	_	790	z	4592
		8552A		28480	_	SPECIRUM	IF SECTION PI	190	U	1693
		85534		28480		SPECIRUM		190	ں	1695
		85541		28480		SPECTRUM	SPECIALM TUNING SECTION	190	ں	1696

PART I CROSS-RFFFRENCE LIST General Purpost That OTS ETF SPECIFICATIONS

SPECIFICATION NAME	SPE C NO	TYPE DESIGNATOR	HFR. NODEL ND.	MFR. CODE	NOMENCLATURE	FAMILY CODE	C. L.T.R	10 MO.
		PARTIALLY COMPATIBLE	HPAT IBLE					
		ANUPRBAA	A152161	25778	ANALYZER SPECTRUM	190	J	6750
		ANUSH424	3040A	26460	NETWORK ANALYZER	050	U	1668
		1535450	20102	00752	ANAL YZER	190	Z	6016
			SPALD	03782		190	: ت	1600
			TSAN	82199		790	z:	4004
			140>	2000	AMALUZER TV SIUEBANDS	9 1	Z (
			3594A	20400	OSCILLATOR SMEEPING LOCAL PLUG IM	020	، ب	1/91
			4705B	08487	ANALYZEK METWORK MAINERAME Aperiak anakelinikan	190	, ر	
			47178	24480	DISTLAT FRASE MACHICUE	7 2 2	ے د	9 7 7 1
			04454	28480		790	, o	1691
			/1097559	09487	ANALYZER SPECIAUM IF SELVIUM FI	190	د	10,41
STANDING WAVE GATIN (SWR) HET	64	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANUPH108	4158	26480	METER STANDING WAVE RATID	063	J	1346
		ANUSH261	3516	28480	HETER STANDING WAVE RATTU	690	z	4570
		ANUSHBZZVI	219L	77327	DETECTOR STANDING WAVE	063	ں	0530
		ANUSH322V2	519	77327	DETECTOR STANDING MAYE	063	J	1150
		ANUSH322V3	37038	11327	ING WAVE	063	U	0512
		ANUSHIZ	415A	28480	SET STANDING MAVE	063	۰	0412
		ANUSM37A	4156	20400	25	063	، ن	9110
		AMISH 27	8038	00107		6 6	ي ر	
		ANUSH 170	4155001	78480	STANDING MAYE	5 6 6	ں ر	5 6
		AMUSH 37E	236	77327	STANDING WAVE	063	ں ،	0450
		TH157AU	4158H10	28480	RATIO INDICATO	063	د ،	2650
		1415780	4150	28480	INDICATOR STANDING NAVE RATIO	063	U	6450
		IN157CU	88134	06473	STANDING WAVE RATIO INDICATOR	063	Ų	0594
		1815760	2270537	17327	NAVE RATIO	063	۰	9450
		IM1570	4158	28480	STANDING MAVE RATIO INDICATOR	690	، ب	1650
		06/14/	171	76611	VIAMBING WAVE RAILD INCILATOR	5 6	, ر	97.0
			416A	28480	-	96	ں ر	1 349
		PAKIIALLY CO						
		JH1758U	151	11332		690	۰	1650
		MF 165C	\$2500	16671		063	: ب	1990
			71.18	80008	SPECTRUM ANALYZER PI	740	z	4869
STROBOSCUPE	ş	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
			153148	24655	TACHOMETER STROBOSCOPE	990		1111
			1518A 1543	24655	STROBOSCOPE STROBOSCOPE	065	w Z	91 1¢

CRISS-RFFFRENCE LIST PART I E E

GEMERAL PURPOSE INDE DTS ETE		SPECIFICATIONS							
SPECIFICATION NAMF	SPFC NO	TYPE DESIGNATOR	HFR. MODEL MO.	NFR. C00E	HOMENCLATURE		FANILY	C L TR	10 NO.
STROBUSCOPE	£	FUNCTIONALLY COMPATIBLE	COMPATIBLE						
			15439700	24655	24655 STROBUSCOPE		\$90	z	4137
		PARTIALLY COMPATIBLE	HPAT IBLE						
		T\$805AU	1918	24655	STROBUSCUPE		990	w	1109
		T\$805BU	SIDAL	83440	STRUBUSCUPE		065	w	1110
			451AL	00 208	STROBUSCOPE		965	.	111
		5	5108	83490	STROBUSCOPE		065	ш,	2111
		Droad	9118	66017	SIRUSUSCUITE	3000000	602	. .	8011
			13589	99866	TRACKER BLADE	e rausture E	590	E W	3448
SWEEP GENERATOR. HF	70	FUNCTIONALLY COMPATIBLE	COMPATIBLE						
		PL 124 LAUSH308V	86.98.8	26480	P I UNIT ELEC TEST EQUIP	C TEST EQUIP	052	<	0794
		PL 12418USH308	10088698	28480	RF P I SWEEP GENERATOR	GENERATOR	052	•	3590
		15452AU	•	34184	GENERATOR SIGNAL	GHAL	106	<	1024
		1545280		36004		SIGNAL	901	∢	1025
		TS452CU		36004		SIGNAL	106	⋖	9701
		1545200		36004		SIGNAL	106	<	1071
		15452EU				SIGNAL	901	<	8701
		154520		50304		SIGNAL	106	⋖ -	1023
			LSXA	04423	CENFRATOR SKI	SWEEP	108	< :	6061
			8601A	28480	CENERATOR SWEEP	BAND LEP	052	z «	2069
		PARTIALLY COMPATIBLE	HPAT IBLE						
		ANUSHZOJ	12421	61113	CENERATOR SM	SWEEP SIGNAL	601	•	0467
		ANUSHZOJA	144002	23042			601	< <	0468
		S6407U	0001	86108		SWEEP	104	<	0853
		SC575U	1F866A	60138		SWEEP	106	⋖	1980
		565930	9008	01113		SWEEP	052	⋖ :	0863
		266810	866A	80138		SWEEP	250	⋖ •	0780
		26934	200315	76067	CENERATUR SHEEF	7 T T T T T T T T T T T T T T T T T T T	104	٠ -	96.80
			CP 9328	80139	USCILLATOR SHEEP		052	Z	9116
			1120	04423	CENTRATOR SHEEP		601	⋖	1886
			10002	04423	CENTRATIN SHEEP	EEP	108	⋖	1839
			33308	28480	AUTOMATIC SYNTHESIZER	NTHES1 ZER	250	z:	6 633
			86.7.10A	28480	AF PLUG IN	4	200	2 <	2074
				>0107	משניים		;	£	

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PART I CRISS-RFFRENCE LIST GENERAL PURPUSF THUE OTS ETE SPECIFICATIONS

SPECIFICATION NAME	SPE C NO	TYPF DESIGNATOR	MFR. MODEL NO.	MFR.	MOMENCLATURE	F AMILY CODE	C.P.	10 MO.
SWEEP GENERATOR, SHF	17	F UNC T TOWAL 1	FUNCTIONALLY COMPATIBLE					
		ANUSH274	220	18786	GENERATUR SWEEP	040	⋖	0503
		ANUSHBORYL	8690BE75	28480	GENERATOR SWEEP	049	∢ ·	6150
		ANUSA47	625A 8490B	28480	CENERATOR SWEEP	640	< -	1865
		Pt 1240AUSH308	86918001	28480	CEREBAIDS RF PLICEIN	640	٠ <	1904
		PL1240USH308	86738	26480	SWEEP CENERATOR PI	040	Z	4768
		PL. 1 240USH308V	86738H01	20480	-	640	z	4094
		PL 124 JUSH 308	8706A	28480	ELEC TEST EQUIP P I UNIT	040	⋖ ·	9620
		PL 1304USH308	86948	28480	P I UNIT ELEC TEST EQUIP	040	< •	080
		\$6775#RM	86164	78480	CENERALDE ALCEAL	0 6 6	٠ <	17.
		S5987U	6310851	03762	GENERATOR SWEEP	109	< <	0680
		006695	10H0+69	28480	GENERATOR SWEEP	640	<	1680
			AL650	03782		049	z	1115
			+0+	01126	MICROHAVE SHEPT SIGNAL GENERATOR	040	⋖ •	1857
			87 4	03782	OSCILLATOR SWEEP	601	< ∙	1646
			71 FG	28/fn	CONTRACTO SMEET	600	٠.	6291
			694CH01	28480	OSCILLATUR SWEEP	6 6 6	٠ <	1905
			8620A	28480	SWEEP DSCILLATOR	640	<	2070
			8621A	28480		640	z	4625
			84220AH80	28480		040	<	2088
			862309H80	28480	BAND	040	<	7084
			84.241AH80	28480	BAND	040	⋖ ·	2085
			86242AHB0	28480		6 6	< ۰	2046
			892308H80	09197	SINGLE SAND P I	7 6	< 2	2007
			86270A	08497	AT 7100 IN	7 6	2 2	
			A6110A	26480		7 9	e z	1626
			863418	28480	PLUG-IN	6 6	: z	4627
			86342A	28480	PLUC-IN	640	z	4628
			86350A	28480	RF PLUG-IN MODULE	640	z	4630
			86708#12	28480	DSCILLATUR SWEEP	640	Z :	4112
			8591A	28480	SAMO SAFER FLOG IN	•	Z 2	6194
			869 JAHL 7	28480	OSCILLATIR SWEEP PI	6 6	. z	=======================================
		PARTIALLY COMPATIBLE	OMPAFIBLE					
		ANUSH222	SH2000	04423	GENERALDR SIGNAL	103	<	1850
		016370	E 2 M	04423	P I HEAD SWIEP GENERATOR	601	⋖	1001
		PL 1242USH308	86798	28480	USCILLATOR SHEEP P I	040	⋖	9620
		PL 1356U	8673A	28480		640	⋖	20 <i>1</i> 2
		564970	1000	90138		601	⋖・	0453
		SGRABPUSAZI9	SH2000	236.44	CENTRATOR SIGNAL	0.52	< z	7 20
						: •	:	:

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PART I CROSS-REFERENCE LIST GENERAL PURPOSE TNDE OTS ETE SPECIFICATIONS

SPECIFICATION NAME	SPEC NO	TYPE DESIGNATOR	R MFR. MODEL NO.	MFR. CODE	NDMFMCLATURE	FAHILY CODE	5 1	10 MO.
SWEEP GENFRATII9, SHF	7	PARTIALLY COMPATIBLE	COMPAT 184.E					
			4310AK16P	93459	GENERATOR SWEEP RF	640	X I	4602
			6400		USCILLATUR SMERF Genfrator Signal	, o	E Z	7194
			86222A	28480	RF PLUC IN	640	z	4618
			96222802	28480	GENERATOR SIGNAL	640	z	4875
			8690A	28480		052	∢ .	507
•			8695A	28480	SWEEF OSCILLATOR F 1	6 6	٠ -	2022
			8677A	28480		6	۰ <	3569
SWEEP GENERATOR, WHF	~~	F UNCT I DHAL	FUNCTIONALLY COMPATIBLE					
		ANUSH203	912423	01113	GENERATOR SWEEP SIGNAL	601	•	0467
		AMUSH203A	144007	23042	SHEEP	601	<	0468
		ANUSM220	SH2000	04423		607	<	6/10
		AMUSH222	SH2000	04423		109	⋖	1840
		S6136U	360A	80138		8 01	< ⋅	7 7 9 C
		264720	160	1110	GENERALCE SHEEF		< <	
			SHI	0442			٠ <	213
			8600A	28480		108	•	9902
		PARTIALLY COMPATIBLE	COMPATIBLE					
		AMUSH221	SH2000	04423	GENERATOR SIGNAL	601	<	0440
		016.370	E2H	04423	P I HEAD SWEEP GENERATOR	601	⋖	1061
		PL 1242USH308	86698	28480	OSCILLATOR SWEEP P I	640	∢	0795
		PL1343U	Lon	04423	P I HEAD SWEEP GENERATOR	801	⋖	9090
		264070	0001	80138		601	∢ •	0853
		56575U	2008	86108	GENERALUR SMERF	801 6	< <	1080
		SG677u	BSBODH	71042	SELECTION STATES	100	. <	0869
		SG6ABPUSM219	SM 2000	04453	GENERATOR SIGNAL	052	<	1/80
		SCARBU	200315	23042	GENERATOR SHEEP	109	<	1990
		0269S	1104	80134	GENERATOR SWEEP	052	< ∶	96 90
			CP1328	90138	OSCILLATOR SWEEP	250	z •	0114
			E 3.4A	67460			< 2	200
			11.20	1,047	CENTRALUR SICHAL Generatur Auftr		£ <	9891
			20002	04423		901	< ≪	1639
			4310AK16P	93459	GENERATOR SHEEP RF	0 7 0	z	4602
			650	86869	OSCILLATOR SWEEP	040	z	7194
			0049	88869	GENERATOR SIGNAL	5 6	z	4603
			86210A	28480	AT PLUG IN	601	Z :	4616
			86222A	28489	AF PLUG TA		F 3	4618
			20077700	08487	CENERALUR SIGNAL	P	Ľ	1017

PART I CRUSS-RFFFRENCE LIST GENERAL PURPUSF INDE OTS FTF SPFCIFICATIONS

SPECIFICATION NAME	SPFC	TYPE DESIGNATOR	HFR. MODEL NO.	MFR. CODE	NOMENCLATURE	FAMILY CODE	9 1	10 MO.
SWEEP GENERAINR, UHF	~	PARTIALLY COMPATIBLE	DAPAT IRLE					
			866318	28480	AUXILIARY SECTION	107	<	1607
			86632A	28480	HODULATION SECTION	201	۷:	20.02
			800368	28480	CENTRATOR SIGNAL MODULATION SECTION	901	Z	4877
			40A0B	78480	OSCILLATOR SWEEP	~50	<	707
TACHONETER, FLFCTRONIC	35	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
			Ų	65719	T C TACH DUCL	•	٩	
			, 1	1	TACHUMETED		P 4	1997
			134GT 104 LTS	26512	TEST SET EJECTION SEAT		0 Z	1913
			17233	30120	TESTER PRECISION TACHOMETER	117	: cc	7464
			2755	91210	SCOPE ANALYZER	12	•	35.20
			2783	91210	TACHOMETER DWELL	117	•	1250
			36FE _		FACHUMETER PHOTO	111	5 2	1762
		PARTIALLY COMPATIBLE	JMPAT I BLE					
		T S 806U	141	80.74.0	TACHOMETER CASE		•	
		110276	F 5000	44997	7 C TACHDERE		D G	1111
			8891	17613	TACHOMETER PHOTO STROBOSCOPIC		2	5175
			M11510	16764	T S VEHICLE ELECTRICAL	-		3394
			M1650	16764	ANALYZER FNGINE	117	•	3393
			1052	55026	T S TACHUMETER DWELL	117	æ	3403
			1FCS 3091	4117	TEST CONSULE GYROSCOPE	117	z	4456
			11861		TRACKER BLADE	117	z	9148
			2044	03692	METER TACHOMETER FREG	117	æ	2103
TELETYPE TEST SFT	35	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANCONI	DACSA	867.40	83118134413131 > 1	946	•	9410
		ANGGHIA	DACV	96238	T S JELCTYPENRILER	990) ; i
		ANGGH11V	9006 700 3002	96238		000	•	2+10
		ANG CH 15 V	0096	14031	T S TELEGRAPH	990	•	0110
		ANCCH15VI	0096	14031	TELFGRAPH	990	•	6410
		ANGGHI SVZ	9500RM	14031	TELFCRAPH	990	æ	0110
		ANGGRZ	DACSB	96238	TELETYPENATER	990	æ	2+10
		#2000F#		96236		990	£	014)
			0155514	31935	JELE TYPENRITER	066	a :	0151
		720024	04040	BC 744		990	.	9110
		AKOGAS	DACSE	96796		9 6	.	0 1 0
		ANPONI	FH15200	02026		000	B 4	9110
		ANPGHIA	548	06053	TELECOAPH	2 4 0	•	05.10
		AMPCHIR	KFC7750	09043		. 790	. 6	9570
		1524,RTG			TELF IVPENRITER	990	z	4036
		152016	5008	39314		7 90	•	1560

PART I CRUSS-REFERENCE LIST General purpuse thde ots ete specifications

					:	į	
SPECIFICATION NAME	SPF C	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. Code Numenclature	CODE	- E	10 MG.
		PARTIALLY COMPATIBLE	1PAT IBLE				
		ANUGHI		96238 T S TELETYPENRITER	990	E	0307
	_	ANUGHS		06763 T S TELETYPENRITER	190	£	9060
	•	5610546	PG 10 3A	CENE	290	•	0895
			TOA2NB	~ :	066	æ (9211
		۰	A50100A	- 1	9 0		6211
			TOA2NB	96238 T S JELETTFEMRITER 94338 T S JELETTPEMBITER	9 6	.	/711
		131312 tatebeen	7412	-	067		1187
			01603	· -	990	•	1168
	_		OAC?	ANAL	990	•	1193
		1533786	DM5303A	ANAL	990	æ	2 36 1
			0×0×015	S	990	\$	1008
			8X04MU26	2	990	#	1000
			DX04	2	990	-	1001
		ی	GA10767	~ 1	966	æ (1105
	_		X75041A	·	990	æ (5011
		ی		· ·	900	= (0711
		1591766	FDA2		990	æ .	4111
			004	15230 GENERATOR ITST MESSAGE	490	2	1167
TELETYPE TEST SET AMALYZER	33	FUNCTIONALLY COMPATIBLE	COMPATIBLE				
				96218 7 S TELETYPEURITER	990	0	0307
		T S 1060 AGG	TOA2NB	~	990	•	1128
		151060966	ASDIOOA		990	6	1129
			TOAZNB	- 2	990	•	1157
			01603		990	•	991
			DACT	ANAL VZFR	990	\$	1193
			DMS 30 3A	ANAL	990	1 0 (1967
			0×04015	- 1	900	2 4	
		15 18 3855	8 4044046	ANALYS S SELFTTENKINGS ADANN S S SELFTTENKINGS	9 4	D «	1007
			GA10767		99	•	1105
			X 75041A	~	990	•	1104
		188000681		2	990	4	1107
		ی		8 1 8	990	•	1120
		1591766	TOA2		990	•	6 = .
			04404	9623A PORTABLE DATA AMALYZER	990	z	4408
		PARTIALLY COMPATIBLE	HPAT IBLE				
		ANGGM!	DACSA	2	990	•	9110
		ANGGMIA	DACV		990	æ	1410
			9006 700 300 2	~	900	æ (0147
			9600	~ ·	990	•	9110
	_	AMCCHISAL	9400	14031 T S TELEGRAPH	600	c	110

PART I CROSS-PFFRENCE LIST General puapuse tyde dys etf specifications

HFR. MODEL NO. CODE NOMENCLATURE CODE LIR 10 NO.	COMPATIBLE	770	D DDD CANAGASTATA A ACCAS	D COO COO COO COO COO COO COO COO COO CO	40238 I STELLTTER TOTAL	A 31935 I S JELFTYPEWRITER 066 8	96230 T S TELETYPENRITER 066 B	96238 I S IFLETYPENRITER 066 B	96238 T S TYPEWRITER 066	LY COMPATIBLE	190	GENERATOR PATTERN 067	e 190	1 S TELETYPENRITER 067 8	96238 T S TELETYPEWRITER	200	COMPATIBLE	2110 d	G 770 CILCUIT C LOT70	O OOO	TELETYPE WRITER 066	THOSE I SECTION OF THE PROPERTY OF THE PROPERT	S SHO HAVE BUILD TO THE TOTAL BE	96238 T S TELETYPENRITER 066 8	96230 T S TELETYPENAITER 066 B	IA 31935 T S TELETYPEMRITER 066 B	96238 T S JELETYPEWRITER 066 B	96238 T S TELETYPE MRITER 0666 B	TITEMENT TEN COO	. e	LY COMPATIBLE	00	04423 CENTRATOR SHEEP/HARKER 068 D	COMPATIBLE	CHADO A COLL STRUCTURE CITCHES	6000 CENTRATOR SYNC PULSE 068 N	
SPEC ND TYPE DESIGNATOR M	13 PARTIALLY COMPATIBLE					ANGGNZO			ANGGMS DA	14 FUNCTIONALLY COMPATIBLE	ANUCHS	و	ISISIZ.A.BGGM DD		157900641	2.4	PARTIALLY COMPATIBLE			-		ANCERTA 94			<	•				157616 50	79 FUNCTIONALLY COMPATIBLE	20 10 CHOUNT		PARTIALLY COMPATIBLE	an complete		
SPECIFICATION NAME	TELFTYPE IFST SFT ANALYZER									FELETYPE TEST SFT GENERATOR																					TELEVISION GFMFRATOR A						

PART I CRRSS-REFIRENCE LIST GENERAL PURPOSF INDE OTS ETE SPECIFICATIONS

SPECIFICATION NANE	SPEC	TYPE DESIGNATOR	NFR. MODEL MO.	MFR. COOF	NOMENCLATURE	FAMILY Code	C	ID MO.
TELEVISION GENERATOR A	73	PARTIALLY COMPATIBLE	OHPAT I BLE					
			1410C 14700PT10N1	80000	GENERATOR SIGNAL NTSC GENERATOR TEST SIGNLE CLOSED CIRCUI	999	z z	9149
TFLEVISION GFNFRATOR C	6	F UNCT I DNALL	FUNCTIONALLY COMPATIBLE					
	•	9611320	146N75C	0000		990	0	1893
			1561	80009	GENERATOR COLOR BAR PI	990	z :	6/84
			1244	96090	GENERATOR SIGNAL TV	990	.	4665
			140 14700PTION1	80000 80000	GEMERATOR SIGMAL MISC Gemerator test signle clused circui	990 0990	o z	1481
		PARTIALLY COMPATIBLE	OMPATIBLE					
			1405	80009	ANALYZER TV SIDEBANDS	990	=	1001
			14100	60009	GENERATOR SIGNAL NISC	990	z	5149
TEMPERATURE IMBICATOR	96	PARTIALLY (COMPATIBLE					
			18644	28480	PROBE HIGH TEMPERATURE	070	=	5152
			2802401	28480	THE RHUMODUL F.	020	z	5155
			6740 9330C	13571	TEMPERATURE INDICATING DIGITAL METER DIGITAL TEMPERATURE	070	zz	4646
transmission (FST Set	42	FUNCTIONALI	FUNCTIONALLY COMPATIBLE					
			4040A	26460	SET HEASURING TRANSHISSION INPAIRNE	10	٥	1680
			4740A003	28480	TRANSMISSION IMPAIRMENT MEASURING S	120	0	1871
			474 JAG10	28480	KEASURING SET TRANSMISSION IMPAIRNE TEST SET DATA		Z Z	4014 4634
			90.06	64626	DATA TEST SET	071	z	4644
		PARTIALLY COMPATIBLE	OMPATIBLE					
		ANUSHIBI	35504	28480	T S DILEPHONE	1/0	9	0455
	•	ANUSH1818	3550BC15	28480	T S PELEPHONE	170	: ۵	0456
		AMUSALBIC	9044	08482	TEST SET.TELEPHONE	120	2 (644
	•	AMUSM 34 3	35508003		A STATEMENT OF STA	7.0	> 4	0234
		CP 1 101U	77558A	61990	COUNTER FLEC DIGITAL	023	• •	0551
	_	ME 22APCM		19176	METER OFCIBEL	170	0	0654
		MC 22PCH	1655	19176	MITTER DECIBEL	071	٥	0653
		MF 260U	40.18	28480	WOLTHER FLEC	976	e (1690
		HF 4700	4941	50319	METER PRESENTATION	200	ء د	6791
	•	HF 71AFCC	LOSA	14668		500		1290

PART I CRUSS-RFFRENCE LIST GENERAL PURPUSF INDE DTS FTE SPFCIFICATIONS

SPECIFICATION WANG	SPEC	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	MONENCLATURE	F AN IL V CODE	35	10 HO.
TRANSHISSION FEST SET	82	PARTIALLY COMPATINLE	MPATIBLE					
		MF 7 LBF CC	1046	94668	METER AUDIO LEVEL	900	0	0672
		MF 71CFCC	520074	07450	METER AUDIO LEVEL	005	٥	0673
		HE 71FCC	KS15530	64454	METER AUDIO LEVEL	900	z	01+
		TABBSU	35558	28480	I S TELEPHONE	120	0	2357
		15140PCH	5489	11975		170	0	0963
		T\$2195AG	3404	94668	-	910	: ۵	9611
		1523956	3408	74668	7 T S		-	1145
		I S Z & S Y A G C M	#00#	03860			۰ د	1021
		152669658	4004	03860	AFASURING SET ENVELOPE DELAY DISTOR	910	٥ د	9071
		01/16/1	113378	01000		7 5	> <	7171
		15559AF I	2809	14140	. 2	120	ه د	1045
		155578F1	348	14140	MEASURING	120	0	1046
		15559CF I	340	14140	ME A SUR I MG	071	_	1047
		15559DFT	133515559	\$1865	MEASURING	170	-	0734
		15559EF1	20203A	13175	MEASURING	170	•	6 50 1
		15559FT	92	64459	TRANSMISSION MEASURING SET	071	۵	101
		T\$569F T	304	64959	T S TELEPHONE	170	٥	1021
		157160	\$27	05730		120	0	1601
		1576210	NUS2120	14140	T S AUDIO	071	0	1100
			1106	20944	TRANSH LEVEL & RETURN LOSS MEAS SET	120	0	7361
TRAVSHISSON TEST SET	=	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		AMPINS	Y.	64959	T S TELEPHONE	170	9	0261
		ANDARIAL	15504	28480		0.71	• =	0455
		ANUSHIBLB	3550BC15	28480	T S LELICERONE	0 2 1		0456
		ANUSHIBIC	35508	28480		110	I	614
		ANUSH 343	3550AC24	28480	T S TELFPHONE	071	-	0534
		ANUSH423	35508H03	28480	TELEPHONE TEST SET	170	0	1787
		HE 22APCH		19126		120	0	0654
		HF 22PCH	2491	19176		20	۵	0653
		HF 7 LAF CC	10AA	9466		005	۰.	1/90
		ME 716FCC	1088	9446	ARTER AUDIO LEVEL	600	ə c	2740
		77.71	K	05044		200	2	
		TARRE	35558	28480		071		2357
		TS140PCM	5480	11975	T S TELEPHONE	071	-	0.60
		1531710	115378	06819		1/0	٥	1225
		1514830	1154CR	06A19	2 -	170	0	1615
		TSSS9AFT	2809	14140	MEASURING	071	٥	1045
		15559BFT	348	0+1+1	ME A SUR 14G	170	٥	9 0 0 1
		TS559CFT	340	0+1+1	MEASURING	170	۰ .	1047
		155590FT	133515559	51865	MEASURING	120	۰ ،	0734
		T\$559EFT	20203A	13175	MEASURING	120	۰.	£040
		15559F I	42	64959	TRANSMISSION MEASURING SET	170	•	104

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PART I CROSS-RFFRENCE LIST GFMERAL PURPOSF THDE OTS ETF SPFCIFICATIONS

SPECIFICATION NAME	SPEC NO	TYPE DESIGNATOR	MFR. MODEL NO	MFR.	NOMENCLATURE	FAMILY CODE	C.P.	10 MG.
TRAUSHISSON IFST SFF	ī	FUNCTIONALLY CUMPATIBLE	CUMPATIBLE					
	_	\$569FT	304	64629	T S TELEPHONE	170	۵	101
	- '	\$629AU		50304	AUDIO LEVEL TEST	902	0	6901
		12629611		14140) AUDIO LEVEL 1631 FAMEL 7 August 1646 TEST PAMEL	, co	ء د	077
	- ,-		18924	14140	AUDIO LEVEL 1EST	000	· a	1071
	_		0211403	25572	AUDIO LEVEL TEST	005	•	1072
	_		TR924B	04141	AUDIO LEVEL TEST	002	٥	1068
	_		524	02230		170	0	10.01
		U	NUS2120	14140	2	110	0	0011
	_	159030	1142	90649	S	771	•	1117
			11111038	50137	T S TRANSMISSION	120	06	2363
			128	14140	HEA	120	- 0	2369
		PARTIALLY COMPATIBLE	PATIBLE					
	Ŧ		4038	28480	VOLTMETER ELEC	920	•	1690
	I		4000	28480	VOL THE TER	920	•	046 L
	Z.		513A	26687		920	•	7990
	T		513A	24687		920	•	3622
	I		1114	35124		9,0	•	000
	E	ME 30EU	998101	12365	CELECTRONIC VOLTMETER	920	æ 1	3623
			\$00C	04462		920	: e	9640
		_	061828	14140		000		0707
	*		400L	28480		9/0	•	9020
	-	SH	713003			032	•	0957
	_	r	ET\$278	96200	-	032	•	0.458
	_	_	0166237	64959	_	032	æ	0456
	_	1531570	TISTANHRY	95104		1/0	۵ ،	1223
			1 1 2 4 15 M H	61890		1,0	- :	7977
			9041	14607	TRANSM LEVEL & RETURN LOSS MEAS SET	071	E @	1956
TURE TESTER	ž	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
	<	NUSM173 2	44535		T S ELECTRON TUBE	2/0	•	0454
	_	IVIDAU	K200	65169	T S ELFCTRON 1	072	æ	9921
	_		K100	66120	1 S ELFCTRON	072	€ :	1265
	-	N Z V O			ELCCRON	2/0	£	1259
		V2RU V2CU			T S ELECTRON TUBE	~ ~ ~ ~	•	1260
	_	1 V 2 U		14/09	I S ELECTRON	220	•	1258
	_		209	86270	T S ELECTRON	072	•	1262
	-	V 70U		1 4 900	T S ELECTRON	210	æ (1264
	_	02.81		28569	T S ELFCTRON TUBE	7/0	E	1263

PART I CRUSS-REFERENCE LIST GENERAL PURPUSE THNE DTS ETE SPECIFICATIONS

SPECIFICATION MANF	NO CE	TYPE DESIGNATOR	HFR. MODEL NO.	MFR. CODE	NOMFINGLATURE	FAHILY COOE	, E	10 HQ.
TURE TESTER	چ	FUNC I I DNALLY	FUNCTIONALLY COMPATIBLE					
			123A	28569	ELECTRON TUBE	072	•	2480
			6000A	58569	T S LLFC TUBE	072		1697
		PARTIALLY CO	COMPATIBLE					
		ANUSH1188	\$92106	28569		210	•	9440
			11125	04071	TESTER TUBE LABOR	2/0	.	2503
			1820016	99994	TUBE	220	•	5114
			1820017	89944	TESTER TUBE ONE STAGE	220	6	2465
			1820018	*****	TESTER TUBE THREE STAGES	2.0		947
			350334	97312	I S SIMILY LOBE TESTER IMAGE LIENSIF TUBE ALIGNMENT	2/0		5442
			350334	97312	T S ELECTRON TUBE	072	•	2713
UNIVERSAL CIUNTER 10C TO 500M	25	FUNCTIONALLY	FUNCTIONALLY COMPATIBLE					
		AM4 330U	5261A	28480	AMPL VIDEO P E	810		6100
		ANTSHIG	15160001	99395	METER FRED	910		0277
		ANURH 79		56118	METER FRED	910		0360
		ANURHBO		35225		910		0369
				37225	THE PARCETAIN THE CONTRACTOR OF THE CONTRACTOR O	910		0750
		ANUSAS	52548	28480	CONVERTER FRED FLEC	816		0400
		ANUS M 207	5471	06692	COUNTER FLEC DIGITAL READOUT	9 6		\$ \f
		ANUSM207A		13576		010		0475
		ANUSH26A	109194	94033		910		7140
		CP1033U	52231	28480	COUNTER FLEC DIGITAL READOUT	210		0549
		CP 1 192 TYC	ucesc			810		5111
		CV2002U	\$2538	26480	CONVERTER FRED FLEC	910		0554
		CVIOLU	207H	28480	CONVERTER FRED ELEC	910		2550
		CV18548	ACC2C	00167	CONVEX IN THE CONVEX INT THE CONVEX IN THE CONVEX INTERCONVEX INTERCONVEX INTERCONVEX INTERCONVEX INTERCONVEX INTERCONVEX INTERCONVEX INTERCON			06.70
		FRACE	5224 5228	28480	COUNTER FLEC FRED	9 5		0567
		LAJAZA	5231	28480	TIMER DIGITAL ELEC	910		0403
		MX1636AU	8458	28480	UNIT TIME INTERVAL	910		0737
		PL1303U	5252A	28480	PRESCALER DIGITAL VOLTMETER	910		0000
		PL 1 1890	5267A	26460	ERVAL UMIT	910		3556
		1010280	52431	28480	CCCNTER ELEC	===		9460
		1012110	5 3 0 2 A	29480	-	910		2235
		107450	5262A	28480		910		4138
		108740	141	15356	COUNTER FLEC DIGITAL READOUT	910		0443
		ID875APU	103784FM	06811	COUNTER FLEC DIGITAL READUUT	910		0945

GENERAL PURPISE THDE DTS ETE SPECIFICATIONS CROSS-RFFERENCE LIST PART 1

1915-94 1917-9	FUNCTIONALLY COMPATIBLE	SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	NFR. MODEL NO.	NFR. CODE	NOMENCLATURE	FAHILY CODE	1 E	10 MG.
10370 06811 COUNTER FLEC DIGITAL READUNT 05203 06811 COUNTER FLECTRONIC DIGITAL READOUT 05203 06811 COUNTER FLECTRONIC DIGITAL READOUT 05204 06009 COUNTER FLECTRONIC FROUENCY 100251 30009 COUNTER FLECTRONIC FROUENCY 100351 30009 COUNTER FLECTRONIC FROUENCY 100371 20009 COUNTER FLECTRONIC FROUENCY 10371 20009 COUNTER FLECTRONIC FROUENCY 10372 06811 COUNTER FLECTRONIC FOR 018 1236 2400 COUNTER FRO 5216 2400 COUNTER FRO 5217 2400 COUNTER FRO 5218 2400 COUNTER FLECTRONIC 5318 240	10378 06811 COUNTER FLEC DIGITAL READULT 52284142 20480 COUNTER FLECTRONIC DIGITAL READULT 62503 60009 COUNTER FLECTRONIC DIGITAL READULT 62504 60009 COUNTER FLECTRONIC DIGITAL DIA	IERSAL COMMIFR IDC 10 50(FUNCT I BNALLY	COMPATIBLE					
5.128350 00811 AMAY 77 R CLOWNTER FILE TROUD 018 05.0391402 008011 AMAY 77 R CLOWNTER FILE TROUD 019 05.0501 00809 COUNTER FILE TROUD 018 07.0501 00809 COUNTER FILE TROUD 018 07.0501 00804 COUNTER FILE TROUD 018 07.0501 00801 COUNTER FILE TROUD 018 07.07 M 00801 COUNTER FILE TROUD 018 07.08 M 00801 M FROM FILE TROUD 018 07.08 M 00801 M FROM 018 07.08 M 00801 M FROM FILE TROUD 018 07.08 M 00801 M FROM FILE TROUD 018 07.08 M 00801 M FROM FILE FILE M 018 07.08 M 00801 M M 00801 M M M M M M	15750 066811 MANAYER COUNTER FRED 157284142 2460 COUNTER LITERANIC DICTAL READOUT 16753 80009 COUNTER LICTRONIC FRED 16750 80009 COUNTER LICTRONIC FRED 16751 80009 DIGITAL DELAY 1002 80009 DIGITAL DELAY 1004 90010 COUNTER LICTRONIC FRED 1107 80009 DIGITAL DELAY 1005 90010 COUNTER LICTRONIC FRED 1107 80009 DIGITAL DELAY 1107 90009 DIGITAL DIGITAL DELAY 1107 90009 DIGITAL DIGITAL DELAY 1107 90009 DIGITAL DELAY 1107 90009 DIGITAL DELAY 1107 9000 DIGITA			10875FU	10378	06811	COUNTER FLEC DIGITAL READUNT	910		****
DC503 DC503 DC504 DC505 DC505 DC505 DC505 DC506 DC506 DC506 DC506 DC506 DC506 DC507 DC	DECOSA BOODS COUNTER FLECTRONIC DECOSA			1532380	615350	11890	ANALYZER COUNTER FRED	8 10		1239
100000 1000000000000000000000000000	SA 80009 OLGIAL DELAY 1010 1 20534 COUNTER ELECTRONIC 1021 20400 COUNTER FLECTRONIC 1021 20400 COUNTER FLECTRONIC 24655 COUNTER FREG 24655 COUNTER FREG 24655 COUNTER FREG 24655 COUNTER FREG 2460 COUNTER FREG 28400 COUNTER FLECTRONIC 28400 COU			02886	7 57 8 A 11 4 2 Df 50 3		COUNTER ELECTRONIC DIGITAL READON!			5 7 D 7
11 90009 DIGNIER ELECTRONIC FREQUENCY 010 11 305514 COUNTER ELECTRONIC FREQUENCY 010 11 205514 COUNTER ELECTRONIC FREQUENCY 010 12 24655 COUNTER FREQ 010 12 24655 COUNTER FREQ 010 12 24655 COUNTER FREQ 010 13 24655 COUNTER FREQ 010 14 24655 COUNTER FREQ 010 15 2460 COUNTER FREQ 010 16 2460 COUNTER FREQ 010 16 2640 COUNTER FREQ 010 17 2640 COUNTER FREQ 010 18 2640 COUNT	11. 20009 DIGITAL DELAY AND FRED COUNTER ELECTRONIC FREDUENCY 20534 COUNTER FLECTRONIC FREDUENCY 206811 COUNTER FLECTRONIC FREDUENCY 206811 COUNTER FLEC 206811 COUNTER FLEC 206812 COUNTER FRED 20685 COUNTER FRED 20685 COUNTER FRED 20680 COUNTER FRED 20680 COUNTER FRED 20680 COUNTER FLEC 20680 COUNTER FLECTRONIC				7000					7111
112.4 28490 COUNTER LECTROMIC FREQUENCY 010 112.4 90101 COUNTER FLECTROMIC FREQUENCY 010 113.5 00811 COUNTER FLECTROMIC FREQUENCY 010 124655 COUNTER FLECTROMIC FREQUENCY 010 24655 COUNTER FLECTROMIC FREQUENCY 010 24655 COUNTER FLECTROMIC 010 24655 COUNTER FLECTROMIC 010 24655 COUNTER FLECTROMIC 010 24650 COUNTER FLECTROMIC 010 26650 COUNTER FLECTROMIC 010	12.2 26.40 COUNTER ELECTRONIC FREQUENCY 90.101 COUNTER FLECTRONIC FREQUENCY 90.101 COUNTER FLECTRONIC FREGO 12.45.5 COUNTER FLECTRONIC 24.65.5 COUNTER FREGO 24.65.5 COUNTER FLECTRONIC 24.65.5 COUNTER FLECTRONIC 24.65.5 COUNTER FLECTRONIC 26.60 CO				0000					1616
10	11.24 20.00 COUNTER ELECTRONIC FREQUENCY 90101 CUNTER FILES 10.01 COUNTER FILES 10.01 THE INTERVAL P I 20.00 COUNTER FREQ 20.00 COUNTER FRES 20.00 COUNTER FRES 20.00 COUNTER FILES 20.00				2000	4000				
1925.A 00-01 COUNTER FLASE ANGLE AND FREG COUNTE 019 19 00-01 COUNTER FLASE ANGLE AND FREG COUNTE 019 2-4655 COUNTER FLEG COUNTER FLOOR 2-4655 COUNTER FLEG CO	1926A 06511 COUNTER FIRE ANGLE AND FREG COUNTER 19				20101	2000				6117
## 1926A ## 1000 F# 1148 ## 1448 ## 1462 ## 1600 ## 1462 ## 1600 ## 1462 ## 1600 ## 1462 ## 1600 ## 16	11926A 06611 COUNTER FIRER 12 24655 COUNTER FIRER 24655 COUNTER FIEC 24655 COUNTER FIEC 24655 COUNTER FIEC 26601 THE INVERTER FREQ 26601 THE INVERTER FREQ 26601 COUNTER FLEC 2660				.003	0000				
10 10 10 10 10 10 10 10	## 2				1002					6177
10 00 11 00 10 00 00 00	10				103/11/204	11000	COUNTRY LINES	9 :		
24655 COUNTER FRED 24655 COUNTER FRED 24655 COUNTER FRED 24655 COUNTER FRED 26611 THE INTERVAL P I 26612 COUNTER FRED 26460 COUNTER FRED 2660 COUNT	24555 FRED DIVIDER 24550 COUNTER FRED 25450 COUNTER FRED 25550 COUNTER				וסולם! מעלנס!	1890	COONSER FILE.			1777
24655 FRED DIVIDER 24655 CUNNTER LECTRONIC 26460 CONVERTER FRED 26460 CONVERTER FRED 26460 COUNTER ELECTRONIC 26460 COUNTER FRED 2660 COUNTER	24555 FRED DIVIDER 24555 CURMER ELECTRONIC 20400 CONVERTER FRED 28400 CONVERTER FRED 28400 COUNTER ELEC 28400 COUNTER ELEC 28400 COUNTER ELEC 28400 COUNTER FRED 28400 COUNTER FRE				1151	11000	CANCELLE STATES STATES			1710
24555 CUUNTER LECTRONIC 24455 CUUNTER ELECTRONIC 24460 COUNTER ELECTRONIC 24460 COUNTER ELEC 24460 COUNTER FRE O COUNTER 24460 COUNTER FRE O COUNTER 24460 COUNTER FRE O COUNTER 24460 COUNTER FLE C	24555 COUNTER LECTRONIC 24400 COUNTER ELECTRONIC 24400 COUNTER FREQ 24400 COUNTER FREQ 24400 COUNTER ELEC TRONIC 24400 COUNTER ELECTRONIC				11664	22776				
2179) COUNTER ELECTRONIC 20400 CONVERTER FREQ 20400 COUNTER ELEC 20400 COUNTER FREQ 20400 COUNTER ELEC 20400 COUNTER ELECTRONIC 2040	21793 COUNTER ELECTRONIC 28480 CONVERTER FREG 28480 CONVERTER FREG 28480 COUNTER ELEC 28480 COUNTER ELEC 28480 COUNTER FLEC 28480 COUNTER FREG 28480 COUNTER FLEC 28480 COUNTER FLECTRONIC 28480 FOUNTER FLECTRONIC				11010	24627	rate blanks			11/1
20400 CONVERTE FECTONIC 20400 CONVERTE FECTONIC 20400 CONVERTE FECTONIC 20400 COUNTER FLEC ROMIC 20400 COUNTER FLEC ROM	2000 CONVERTE FEET CONTERT FRED CONVERTE FRE				1076	6.1022				2275
20400 CONVERTER FREQ 20400 CONVERTER FREQ 20400 COUNTER ELEC 20400 COUNTER FREQ 20400 COUNTER ELEC 20400 COUNTER FREQ 20400 COUNTER FREQ 20400 COUNTER ELEC 20400 COUNTER ELEC 20400 COUNTER ELEC 20400 COUNTER FREQ 20400 COUNTER ELEC ROMIC 20400 COUNTER ELEC RO	2440 CONVERTER FREQ 2640 CONVERTER FREQ 2640 CONVERTER FREQ 2640 COUNTER ELEC 2640 COUNTER FREQ 2640 COUNTER FREC 2640 COUNTER FREC 2640 COUNTER FREQ 2640 COUNTER FREC 2640 C				1476H	1 1 0 0 0	TIME TAILMANT TO THE TOTAL TOT	B :		6 6 6 7
20400 COUNTER ELEC 20400 COUNTER FRE 0 COUNTER 20400 PRESCALER F I FRE 0 COUNTER 20400 COUNTER ELEC 20400 COUNTER ELECTRONIC 2	20400 COUNTER FREQ 20400 COUNTER FREQ 20400 COUNTER FREQ 20400 COUNTER FREG 20400 PRESCALER FREG 20400 PRESCALER FREG 20400 PRESCALER FREG 20400 COUNTER FREG 20400 C					2017	COUNTRY ELECTRONIC			7604
20400 COUNTER ELECT 20400 COUNTER FRED 2040	20400 COUNTER ELEC 20400 COUNTER ELECTRONIC				71.ZA	08487	CONTRACTOR TO THE CONTRACTOR T	= :		2173
20400 CUUNTER ELEC 20400 CUUNTER FRE 20400 CUUNTER ELEC A A A A A A A A A A A A A	20400 CUUNIER FEFO 20400 CUUNIER ELEC 20400 CUUNIER FREO 20400 CUUNIER ELEC 20400 CUUNIER ELECTRONIC				9716	00.00	CONVENIEN FREG			
A 2640 COUNTER FIELD A 2640 COUNTER FIELD A 2640 COUNTER ELEC B 2640 COUNTER ELEC COUNTER FREO COUNTER FLEC COUNTER FLECTRONIC A 2640 COUNTER FLECTRONIC COUNTER FLEC	20400 COUNTER ELEC 20400 COUNTER FRE 20400 COUNTER ELEC 20400 COUNTER ELECTRONIC				251A	09407				1177
A 20400 COUNTER ELEC FREQ 018 20400 COUNTER ELEC FREQ 018 20400 COUNTER ELEC FREQ 018 20400 COUNTER FREQ 018 20400 COUNTER FLEC 01617AL READOUT 018 20400 COUNTER FLEC 01617AL READOUT 018 20400 COUNTER FLEC 018 20400 COUNTER FLEC 018 20400 COUNTER FLEC 018 20400 COUNTER FREQ 0000LE 018 20400 COUNTER FREQ MODULE 018 20400 COUNTER FLEC 018 20400 COUNTER F	20400 COUNTER ELEC 20400 PRESCALER P 1 FREQ 20400 COUNTER ELEC 20400 COUNTER ELEC 20400 COUNTER ELEC 20400 COUNTER ELEC 20400 COUNTER ELECTRONIC				2126	0000				7177
26480 COUNTER ELEC FREQ 26480 COUNTER ELEC 26480 COUNTER FREQ 26480 COUNTER FREQ 26480 COUNTER FREQ 26480 COUNTER FREQ 26480 COUNTER ELECTRONIC 26480 COUNTER ELECTRONIC 36480 COUNTER	28480 COUNTER ELEC FREQ 28480 COUNTER ELEC 28480 COUNTER FREQ COUNTER 28480 COUNTER FREQ HODGLE 28480 COUNTER FREC 28480 COUNTER FREQ HODGLE 28480 COUNTER FREQ HODGLE 28480 COUNTER FREG HODGLE 28480 COUNTER FREG 28480 COUNTER FREG HODGLE				2216A	08487		810		2017
20400 COUNTER FREC 20400 COUNTER	2040 COUNTER ELEC 2040 COUNTER FRED 2040 PRESCALER P I FRED 2040 COUNTER FRED HODULE 2040 COUNTER FRED HODULE 2040 COUNTER FRED				3228K	20400				177
28480 COUNTER FREC 28480 COUNTER FREC 28480 COUNTER FREC 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER P I FREQ 28480 COUNTER FREC 28480 COUNTER FREC 28480 COUNTER FLEC 38480 COUNTER FLECTRONIC 38480 COUNTE	20400 COUNTER FRED 20400 COUNTER FRED 20400 COUNTER FRED 20400 COUNTER FLEC 20400 COUNTER FLEC 20400 COUNTER FLEC 20400 COUNTER FLEC 20400 PRESCALER FRED 20400 PRESCALER FRED 20400 COUNTER FLEC 20400 COUNTER FLECTRONIC				8777	00107	ָ ֖֖֖֖֓֓֞֝֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֡֓֓֓֡֓֡֓֓֡֓֓֓֡֓֡֓֡֓֡֓֡			9017
LC27 20400 COUNTER FRED 102 400 COUNTER FLEC 20400 COUNTER FLEC 20400 COUNTER FLEC 20400 COUNTER FLEC 20400 PRESCALER P 1 FRED 20400 PRESCALER P 1 FRED 20400 COUNTER FRED MODULE 20400 COUNTER FLEC A 20400 COUNTE	LC27 20400 COUNTER FRED 20400 COUNTER FLEC 20400 COUNTER FLEC 20400 PRESCALER P 1 FRED 20400 PRESCALER P 1 20400 PRESCALER P 1 20400 PRESCALER P 1 20400 COUNTER FRED MODULE 20400 COUNTER FRED MODULE 20400 COUNTER FLEC 8 20400 COUNTER FLECTRONIC				8232	20107				5017
LC27 20400 COUNTER FREC DIGITAL READOUT 010 20400 COUNTER FLEC DIGITAL READOUT 010 20400 COUNTER FLEC DIGITAL READOUT 010 20400 COUNTER FLEC DIGITAL READOUT 010 20400 PRESCALER FLEC DOUNTER 010 20400 COUNTER FREQ HODLE 010 20400 COUNTER FLEC MODLE 010 20400 COUNTER FLEC ROUNTER FLEC ROUNTER FLEC ROUNTER FLEC ROUNTER LECTRONIC 010 20400 COUNTER FLEC ROUNTER CLECTRONIC 010 20400 COUNTER CLECTRONIC 010 20400	LC27 20400 COUNTER FACE DIGITAL READOUT 20400 COUNTER FLEC DIGITAL READOUT 20400 COUNTER FLEC DIGITAL READOUT 20400 COUNTER FLEC DIGITAL READOUT 20400 COUNTER FRED MODULE 20400 COUNTER FRED MODULE 20400 COUNTER FRED MODULE 20400 COUNTER FLEC RED				9770	00107				1210
26480 CONVERTER P 1 FREQ 018 26480 CONVERTER P 1 FREQ 018 26480 CONVERTER P 1 FREQ 018 26480 PRESCALER P 1 FREQ 018 26480 PRESCALER P 1 FREQ 018 26480 PRESCALER P 1 FREQ 018 26480 COUNTER FREQ MODULE 018 26480 COUNTER FREQ MODULE 018 26480 COUNTER FREQ 018 26480 COUNTER FREQ 018 26480 COUNTER FREQ 018 26480 COUNTER FREQ 018 26480 COUNTER FREG 018	28480 CUUNNER ELEC 28480 CUNNER ELEC 28480 CUNNER ELEC 28480 CUNNER ELEC 28480 CUNNER FRED 28480 PRESCALER P I FRED 28480 PRESCALER P I FRED 28480 CUNNER FRED MODULE 28480 CUNNER FRED MODULE 28480 CUNNER FRED 28480 CUNNER ELECTRONIC 28480 CUNNER FRED				0426	00.07	1 X L	9 1		67.1
26-80 CINVERTER FLET 26-80 PRESCALER P 1 FREQ 28-80 PRESCALER P 1 FREQ 28-80 PRESCALER P 1 FREQ 28-80 HEASUREHENT SYSTEM MAINFRAME 28-80 COUNTER FREO MODULE 28-80 COUNTER FLEC A 28-80 COUNTER FLECTRONIC A 28-80 COUNTER FLECTRO	2640 CONVERTER P 1 FREQ 2640 PRESCALER FREG COUNTER 2640 COUNTER FREG HODULE 2640 COUNTER FREG HODULE 2640 COUNTER FLECTRIC 2640 COUNTER FLECTRIC 3640 COUNTER FLECTRONIC 2640 COUNTER FLECTRONIC				52454	09497	֓֞֜֜֜֜֜֝֜֝֜֜֝֓֓֓֓֜֝֝֓֓֓֜֝֝֓֓֓֡֜֝֜֜֜֝֓֓֓֡֝֜֜֝֡֓֡֓֜֝֡֓֜֝			(11)
26400 PRESCALER P 1 175.2 A 26400 PRESCALER P 1 26400 DRESCALER P 1 26400 DRESCALER P 1 26400 COUNTER P 1 26400 COUNTER P 1 26400 COUNTER FREQ MODULE 010 A 26400 COUNTER FLEC P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	26400 PRESCALER F I TALE 26400 PRESCALER F I 26400 PRESCALER F I 26400 PRESCALER F I 26400 COUNTER FREO MODULE 26400 COUNTER FREO MODULE 26400 COUNTER FREO MODULE 26400 COUNTER FREO 36400 COUNTER FREO				7240n 424C	20102				1740
A 28480 PEFSOALER FREQ COUNTER 018 A 28480 HEASUREMENT SYSTEM MAINFRAME 018 28480 COUNTER FREQ MODULE 018 28569 COUNTER FLECT 018 28480 COUNTER FLECT 018 A 38480 COUNTER FLECT 018	A 28480 PRESCALER FREG COUNTER A 28480 HEASUREMENT SYSTEM MAINFRAME 28480 COUNTER FREG MODULE 28480 COUNTER FREG MODULE 28480 COUNTER FLEC A 28480 COUNTER FLEC A 28480 COUNTER FLECTRONIC					20402	-			2000
26480 MEASUREMENT SYSTEM MAINFRAME 018 26480 COUNTER FREO MODULE 018 28480 COUNTER FREO MODULE 018 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER FLEC 18 28480 COUNTER FLECTRONIC 018	26400 HEASUREMENT SYSTEM MAINFRAME 26400 COUNTER FREO MODULE 26400 COUNTER FREO MODULE 26400 COUNTER FREO 26400 COUNTER ELECTRONIC				525BA	20.40	POCKLALE FRED CAMMIED			2,11
28480 CUUNTER FREG HODULE 28480 CUUNTER FREG HODULE 28480 CUUNTER FLECTRIC 28480 CUUNTER FLECTRIC 28480 CUUNTER FLECTRONIC 38480 CUUNTER FLECTR	28480 CDUNTER FREO HODULE 28480 CDUNTER FREO HODULE 28480 CDUNTER ELECTRONIC				5 300A	28480	TEACHDEREN CACHER MAINEBARE			22.16
28480 COUNTER FRED HODLE 28569 COUNTER FLECTRIC 38480 COUNTER FLEC 38480 COUNTER FLEC 38480 COUNTER FLECTRONIC 38480 COUN	28480 COUNTER FRED HODLE 28569 COUNTER FLECTRIC 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER FLECTRONIC				STOLS	78480	CHINTED FORD MODINE			22.16
26569 COUNTER ELECTRIC 018 26460 COUNTER ELECTRIC 018 26460 COUNTER ELECTRONIC 018	26569 COUNTER ELECTRIC 22450 COUNTER ELEC 2640 COUNTER ELECTRONIC 2640 COUNTER ELECTRONIC 2640 COUNTER FRED 2640 COUNTER ELECTRONICS 2640 COUNTER ELECTRONICS 2640 COUNTER ELECTRONIC 2640 COUNTER ELECTRONIC 2640 COUNTER ELECTRONIC 2640 COUNTER ELECTRONIC 2640 COUNTER FRED				51018	28480	COUNTER FRED MODULE	=		7114
28480 COUNTER FLEC 1 28480 COUNTER FLEC 28480 COUNTER FLEC 28480 COUNTER FLEC 1 28480 COUNTER FLECTRONIC 28480 COUNTER FLECTRONICS 1 28480 COUNTER FLECTRONICS 1 28480 COUNTER FLECTRONIC 1 28	28480 COUNTER ELEC 28480 COUNTER ELEC 28480 COUNTER FLEC 28480 COUNTER FLECTRONIC 28480 COUNTER FLECTRONIC 28480 COUNTER ELECTROLIC 28480 COUNTER ELECTROLIC 28480 COUNTER ELECTROLIC 28480 COUNTER FLECTROLIC 28480 COUNTER FLECTRONIC				5321A	28569		810		2237
15 28480 COUNTER ELECTRONIC 016 16 28480 COUNTER ELECTRONIC 016 17 28480 COUNTER WHYPESAL 018 18 28480 COUNTER ELECTRONICS 018 18 28480 COUNTER ELECTRONIC 018 18 28480 COUNTER ELECTRONIC 018 18 28480 COUNTER ELECTRONIC 018	15 28480 COUNTER ELECTRONIC 28480 COUNTER FLECTRONIC 28480 COUNTER FLECTRONIC 28480 COUNTER ELECTRONICS 28480 COUNTER ELECTRONICS 1 28480 COUNTER ELECTRONIC 28480 COUNTER ELECTRONIC 28480 COUNTER ELECTRONIC 60053 COUNTER FREO				93218	28480	_	910		2115
15 28480 COUNTER FECTRONIC 018 28480 COUNTER PRED 018 28480 COUNTER LECTRONICS 018 28480 COUNTER FECTRONICS 018 28480 COUNTER FECTRONIC 018 28480 COUNTER FECTRONIC 018	10 2040 COUNTER FLECTRONIC 2040 COUNTER FREQ 2040 COUNTER LECTRONICS 2040 COUNTER ELECTRONICS 2040 COUNTER ELECTRO 2040 COUNTER ELECTRONIC 2040 COUNTER ELECTRONIC 00053 COUNTER FREO				53258	28480		910		2132
1 28480 COUNTER FRED 1 28480 COUNTER LECTRONICS 016 28480 COUNTER LECTRONICS 018 28480 COUNTER LECTRONIC 018 28480 COUNTER ELECTRONIC 018 A 28480 COUNTER ELECTRONIC 018	28480 COUNTER FRED 28480 COUNTER LECTRONICS 28480 COUNTER ELECTRONICS 28480 COUNTER ELECTRONIC 28480 COUNTER ELECTRONIC 28480 COUNTER ELECTRONIC 80053 COUNTER FRED				5125AC15	28480		8 70		5168
1410 28480 COUNTER UNIVERSAL 018 28480 COUNTER ELECTRONICS 018 28480 COUNTER ELECTRIC 018 1 28480 COUNTER ELECTRONIC 018 1 28480 COUNTER ELECTRONIC 018	S 20400 COUNTER UNIVERSAL L 26400 COUNTER ELECTROLICS L 26400 COUNTER ELECTRIC L 26400 COUNTER ELECTRONIC L 26400 COUNTER ELECTRONIC B0053 COUNTER FREO				5326A	28480		910		2116
IMIO 28480 COUNTER ELECTRONICS 016 28480 COUNTER ELECTRIC 018 28480 COUNTER ELECTRONIC 018 A 28480 COUNTER ELECTRONIC 018	IHIO 28480 COUNTER ELECTRONICS 28480 COUNTER ELECTRIC 28480 COUNTER ELECTRIC 1 28480 COUNTER ELECTRONIC 80053 COUNTER FRE				53268	28480		910		2239
1 20480 COUNTER ELECTRIC 016 20480 COUNTER ELECTRONIC 019 ADDAY CHIMPTER ELECTRONIC 019	20480 COUNTER FLECTRIC 20480 COUNTEP COMPUTING 25480 COUNTER ELECTRONIC 80053 COUNTER FREO				5340AH10	28480	_	910		4664
A 28480 COUNTER CLECTRONIC 018 A ARRORA CHIMATER ELECTRONIC 018	1 Z8480 COUNTER ELECTRONIC 1 Z6480 COUNTER ELECTRONIC 80053 COUNTER FREO				5345A	29480	_	910		1522
A ZAGO COUNTER ELECTRONIC 010	1 ZA480 COUNTER ELECTRONIC 80053 COUNTER FREO				5360A	28480		078		2242
CONTRACT CON	80053 COUNTER FRED				5512A	28480		810		4658
					6127	A 000 A				2117

PART I CRISS-RFFRENCE LIST General purpise tame nts ete specificatiuns

SPECIFICATION NAME	SPF.C NO	IYPE DESIGNATOR MFR. MUDEL NO.	MFR. COOE	NOMENCLATURE	FAMILY CODE	5 H	10 NO.
UNIVERSAL COUNTER LDC TO 500M	25	FUNCTIONALLY COMPATIBLE					
		9144			910		1747
		919	80053	COUNTER FRED	910		2995
		5102			910		1756
		71208		EPUT METER	810		2246
		71758		COUNTER ELEC	910		2120
		7318			010		0021
		737CN		FLEC P I	• 10		10/1
		8 00	95036	COUNTER ELECTRONIC DIGITAL ARABUUT	8 5 6 6		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
VECTOR IMPEDANCE MFTER A	6	FUNCTIONALLY COMPATIBLE					
		7H74U 4800A	26460	28480 METER VFCTOR IMPEDANCE	073	0	6841
		PARTIALLY COMPATIBLE					
		301A	24670	07342 VOLTMETER	•20	٥	5003
VECTOR IMPEDANCE NETER 8	=	FUNCTIONALLY COMPATIBLE					
		48184	28480	28480 METER RF VECTOR IMPEDANCE	673	•	0651
		PARTIALLY COMPATIBLE					
		301A	25(20	07342 VOLTMETER	674	٥	5003
VFCTOR VOLTMETER	8	FUNCTIONALLY COMPATIBLE					
		ME223APN129 202BR	07342		120	0	0685
				VOLIMETER VECTOR	5 20	o 1	9[4]
		212A+B+C 244RS					
		8405AH16	28480	VOLTMETER VECTOR	%	Z	\ + B +
		PARTIALLY COMPATIBLE					
		301A	07342	07342 VOLTMETER	٠٢٥	•	6007
VIBRATION TEST SET	16	FUNCTIONALLY COMPATIBLE					
		1 0VAD 1 00 VPD 1 5 0 0	01072 01072 62973	TESTER VIBRATION Tester Vibration Vibration Tester	===		2190

PART I CRUSS-RFFERENCE LIST

GENERAL PURPISE THDE DIS FIE SPECIFICATIONS

SPECIFICATION NAME	SPFC MO	TYPE DESIGNATOR	MFR. MODEL NO.	MFR. CODE	NUMENCLATURE	FAMILY CODE	E IR	ID NO.
		PARTIALLY COMPATIBLE	OHPAT I NLE					
			080795	11212	INDICATOR VIBRATION AMPLITUDE	111	w	55.19
			035502900	80009	TEST SET CALIBRATION FIXTURE	Ξ:	Z,	7144
			19539701	(407)	FRITK VERKALIUM	.	u 2	6777
			*0100/11/1	97041	AURITUR ALL VIERALIUM 155/55/65 IUS		Z (4617
			230	*6117	AMALTZIR DTNAMIC VIGKATIUN BALANCER	111	u	7//1
VOICE BAND ANALYZFR	£	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
			2974	28480	12490 41977	9.0	4	4
			35.01.0	28480		075	z	1631
		PARTIALLY CONPATIBLE	OMP AT I BLE					
		ME 295U	1258	94668	WINTERFER FRED SFIFTINE	92	ن	1040
		1527210	305	9444	CORN TRANSFORM MEASUREMENT CYCLE	2	ی ر	
			1276	94668	METER LEVEL FREG SELECTIVE	2 2	ں ر	2014
			1298	9466	VOLTMETER FRED SELECTIVE	011	ں ،	2045
			20.01	54778	VALINETER FLECTRONIC	-	· z	4517
			3054	9446	TRANSMISSION MEASUREMENT SYSTEM	0.1	٠.	2380
			1591	2040	VOLTACTO COCO CCI CTIVE		ي ر	2 70 7
			3594A	28480	OSCILLATOR SHEEPING LOCAL PLUG IN	020	ں ر	1671
NEG PROPERTY OF THE PROPERTY O	;	. CAMOL T DAME	A total of the state of the sta					
	:							
		ANUPHIOO	3651	66150	ELECTRICAL	920	•	9110
		ANUPH93				970	æ	0330
		ANUPH93AU			ELECTRICAL	920	•	1660
		ANUPM93C	15001	24635	T S ELFCTRICAL POWER	920	æ	2110
		ANUSH106	400E	28480	VOLTHETER	920	z	4534
		ANUSH224	3400A	28480	RMS VOLTMETER	080	æ	0483
		ANUSHZ65	400E L 02	28480	VOLTMETER ELEC	916	6 5 1	750
		15155	E # 1	26049	A OL THE TER	9/0	œ	2090
		#F1470	ESH	54685	VOLTAGE FOR	9/0	s e (06.77
				20100		0 70	۰ •	1400
		100 Ju	71.15	26682		920	•	7990
		ME 30CU	5134	26687		920	•	3622
		HE 3000	A	35124	VOLTRITER FLEC	076	•	0663
		MF 30FU	194101	12365	ELECTRONIC VOLTMETER	920	•	3623
		ME JOFU		25779	VULTMETER ELECTRONIC	920	Z	4046
		HE 100	4000	28480	VULTNETER LLEC	970	•	0460
		UE 31 8U	3400A	28480	VOLTMETER ELEC	090	•	5670
		Mf 334U	3071	00638	VULTHFTER ELEC	920	œ	1640
		ME 3400	400EEL02	28480		970	•	10/3
		HF 405U	400LR	28480		920	Z	0740
		Nf 425U	400L	29480	VOLTHETER FLECTRONIC	976	•	9020

GENERAL PURPOSF IMDE DIS ETE SPECIFICATIONS CRASS-RFFERENCE LIST PART 1

SPECIFICATI'M NANF	SPEC	TYPE DESIGNATOR	MFR. MODEL MO.	MFR. CDDE	NOMENCLA TURE	FAMILY CUDE	CP LTR	10 NO.
VOLINETER, AC TRUF RMS	7	FUNCTIONALL	FUNCTIONALLY COMPATIBLE					
		ME 444U	320A	50423	VULIMETER FLEC	970	•	0708
		HE 4516	101A	94668		920	&	0110
		#E 4 > 00	400EL	09487	VOLTAFIER AC	920	P &	2079
			V100H	12365		920	~	2032
			124R	80164	VOLTHETER AC	076	•	2041
			2002	08098		076	•	1935
			2918712A17	79500	VOLIMETER AC	920	e 7	9002
			333	50423	VOLTAGE DE COMPANIE DE COMPANI	9 6	2 4	2012
			3400AY10	28480	VOLTHETER RMS	000	9 6 3	2574
			400F	28480		970	∢	2061
			400FL	28480		910	€ 1	2063
			\$00HR	28480		920	6	3361
			433	65092	VOLTHETER AC	976	3) 4	1950
			A114	45092	VOLTHETER	920	•	7561
			704HSR	95800	VOLTMETER	970	•	1961
			727	01113	SIGNAL LEVEL METER		•	1961
			7402A137	26480	OSCILLOGRAPHIC RECORDER TWO CHANNEL		Ŧ	2176
			7 7000	50423	VOLTMETER	076	Z (4536
			PLOARAV	89536	METER V ELECTRIC	080		1967
			9340	04401	VOLTHETER TRUE RMS	080	•	6602
		PARTIALLY COMPATIBLE	DMPATIBLE					
		MC 2028U	8038	89536	VOLTHETER ELEC	121	•	0683
		ME 2020	803	89536	VOLTMETER ELEC	121	•	0682
		ME 262U	305A	50453	VOLTMETER	920	Œ	2690
		ME 7 1 AF CC	108A	94668	NETER AUDIO LEVEL	909	0	1/90
		ME 718FCC	1088	94668		909	ه د	26672
		ME 710FCC	\$20074	07470	METER AUGIS LEVEL	500	2 2	7410
		TC 284 30	88148	89536	VOLTAETER	121	: cc	0171
			001502	60009	MULTINETER DITITAL	032	z	4057
			HL55C	50666	VOLTMETER	920	z	4835
			PALAAC	79500		920	z	4045
			1346	24655		920	∢ ;	1927
			2605	55026		250	æ :	1336
			2192	22056	MOLTINE LIK	77.0		4703
			10.25	05515	VOLITE ER LEEU Volite ITA ELECTRONIC	920	2	6754
			3104	50423	VOLTMETER	920	8	3353
			310452	50423	VOL. THE TER	920	•	3354
			310852	50423	VOLIM TER ELEC	076	•	3355
			11.3	\$5024	HULTIHFTER	032	Œ	1345

PART I CRUSS-REFERENCE LIST General purpust inde nts ete specifications

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR	MFR. MODEL NO.	FL NO.	MFR. CODE	NOMFNCLATURE	FAMILY CODE	CP LTR	10 NO.
VALIMETER. AC TRUF 2MS	;	PARTIALLY COMPATIBLE	MPAT 18LE						
			34030		28480		080	\$	1940
			355		50423	VOLIMETER AC DC	920	• 4	\$107 707
			4274		28480	•	032	•	1353
			430		65092	AC	920	•	0559
			4331906002	Ņ.	65092	VOLTHETER PORTABLE AC	920	•	1954
VOLIMETER, DIFFERFMIIAL	38	FUNCTIONALLY COMPATIBLE	COMPATIB	w W					
		ME 202BU	8038		89536	VOLTMETER ELEC	121	•	0683
		ME 202U TS 284 11	803		89536	VOLIMETER ELEC	121	æ c	0682
			7408		28480	DC STANDARD DIFFERENTIAL VOLTMETER	121		1962
			7418		28480	VOLTHETER DIFFERENTIAL AC OC	121	•	1966
			80388		89536	VOLIMETER DIFFERENTIAL	121	e (1961
			303046		97530	VOLITETER ELEC	171	e 4	, q , q
			657ABAN		89536	VOLTMETER DIFFERENTIAL	121	•	2560
			4168		89536		121	•	1972
			8934		89536		121	•	1973
			9318		89536	TRUE RMS DIFFERENTIAL VOLIMETER	121	z	4530
		PARTIALLY COMPATIBLE	MPAT I BLE						
		HE161U	109		89536	VOLTHE IFR DIFFERENTIAL	220	æ (0679
			2007		16512	VOLTHETE R	670	•	1936
			335A 855A		89536	CALIBRAIOR VOLTMETER Voltmeter DC	121	æ æ	3456 1970
			895A		89536	OC DIFFERENTIAL, MULL METER	121	z	1541
			80816		16655	POTENTIONETER	220	æ	5049
VOLTHETER. FRFOURNCY SELECTIV	92	FUNCTIONALLY COMPATIBLE	COMPATIB	TE .					
		HE 295U	1258		94668	VOLTMETER FRED SELECTIVE	011	، ن	0693
			3591A		20400	VOLTHETER FREG SELECTIVE	201	ں ر	7 767
			3745A		28480	IS SELECTIVE LEVEL MEASURING	110	Z	5159
		PARTIALLY COMPATIBLE	HPAT I BLE						
		ANUSH306V			94668	I S RADIU	011	U	5150
		ANUSH 30641 FR 2050	3055 1288		94668	T S RADIO	2 =	ب ں	0516 0575
		1527210	305		94668	COMM TRANSMISSION MEASUREMENT SYSTE	: e	ں ,	2433
		TS 3066V2U	312A		28480	SPECINUM ANALYZER	011	، د	0721
		15 10654 10	37.12		08497	ANALTZE KAVE	21	د	1963

PART I CROSS-RFFERENCE LIST GFNERAL PURPUSF INDE OTS ETF SPECIFICATIONS

SPECIFICATION NAME	SPEC	TYPE DESIGNATOR MFR. MODEL NO.	HFR. MODEL NO.	MFR.	NOME NCL A TURE	FAMILY	CP	10 MG.
VALIMETER, FRFAUENCY SFLECTIV	LECTIV 70	PARTIALLY COMPATIBLE	MPAT I BLE					
			1270		METER LEVEL FREG SELECTIVE	011	v	5044
			1298	94668	VOLIMETER FRED SELECTIVE	011	U 2	2045
			303H 305A		TRANSMISSION NEASURENENT SYSTEM	2017	E U	2360
VOLTHETER. RF	0	FUNCTIONALLY COMPATIBLE	COMPATIBLE					
		ANURHI 45	91CA	10640	VOLTHETER ELEC	610	æ	0393
		ANURAL 45A	000166	24635	VOLTMETER ELEC	079	∞ •	994
		MF 426U	3406A		T S BROAD BAND	0.79	o c o	279.5
		ME 6U	300A		VOLTHETER FLEC	920	•	2190
		HE ARC	+1114 ·		RF MILLIVOLTHETER	620	•	3682
			MV288	85711	MICROVOLIMETER RF	620	æ (1994
			9104		VOLIMETER ELECTRONIC	0.00	E Z	4512
			9111857		VOLTHETER RADIO FRED SENSITIVE METE	620	.	2038
		PARTIALLY COMPATIBLE	MPATIBLE					
		HE 24 AU	4 1 0 8	26480	MULTIMETER	032	•	9590
		ME 2 68 U		91870	MULTIMETER	032	•	0657
		ME 26CU	260000	99395	MULTIMETER	032	•	9659
		ME 260U			NULTIMETER	035	•	0659
		ME 26U	4104		MULTIMETER	20.0	æ 1	0655
		ME JOSAU	4100		VOLTAETER ELEC	032	•	1000
		T5505AU	PL3000		MULTIMETER	032	•	1036
		75056	00/110	99066		260	.	2601
		1550500				250	s a	0 0 0
		15505EU	E AD197129	02581	MULTIMITER	032	; e0	1040
		155050	123		MULTIMETER	032	•	1035
			2007	16522	VOL THE TER	610	€	1936
WATTHFTER. RF	7	FUNCTIONALLY COMPASSBLE	COMPATIBLE					
		ANU9H182	4110102	10998	T S RADIU FREG POWER	040	ပ	9010
		ANURM43	19			040	J	1764
		MF LIAU				040	، ن	0649
		ME 1380		05770	TATION AND AND AND AND AND AND AND AND AND AN	010	، د	0620
		2011	7503				ے د	1600
			III.			0,0	ن د	7.40
		ISIIBAAP	693011		PADIO FREG WATTHETER	040	ں ،	1440
		TS118AP	693	86602		040	U	0960
		152609AU	4110070	1099A	T S RADIU FREG PUWER	040	ں	1500

DART I CRISS-RFFERENCE LIST GFNFRAL PURPISE INDE OTS EIF SPECIFICATIONS

) de la companya de l					MFR.		FAHILY	8	
SPECIFICATION NAME NO		TYPE DESIGNATOR	MFR. MODEL ND.	EL NO.	CODE	NOMENCL ATURE	CODE	L.1R	ID MO.
HATTMESER, RF 61	_	FUNCTIONALLY COMPASSBLE	COMPA138	N.F					
	7.		4110000		10998	I S RADIO FREO POWER	0+0	پ	1199
	~	15730URM 5	5756011		61723	BITZJ BRIDGE SUMMATION	0+0	J	1001
		•	119		70998	70998 WATTHE TER RF ABSURBILION	040	ပ	1745
		•	~		10998	10998 WATTHETER RAUTO FREG	0+0	ں	1746
		PARTIALLY COMPAFIBLE	PATIBLE						
	7		976		10998	70998 WAITMETER	040	U	0.173
	2		733000		10998	70998 HATTHETER	040	ں	9374
	Ž		57		11332	T S RADIO FREG POWER	040	J	2540
	Ž	1250	4310		28480	_	150	U	6443
	Ĩ	Mf 61)	3004		05535		920	•	190
		-	1648		94668	WATTMETER	780	ں	1911
		•	8900B		28480	CALIBRATOR PEAK POWER	040	Ų	2519
X-Y RECORDER 28	_	FUNCTIONALLY COMPATIBLE	COMPATIB	F.					
	Š	R0458V1U 7	20358		28480	28480 RECUROFR	***	ų.	3557
		*	RD252120		06743	06743 RECORDER ANALOG	180	w	1552
		•	7001AR		28480	RECORDER K-Y	180	Ę	1447
		~	7034A		28480	RECORDER K-Y	180	Z	4575
		_	7035A		28480	RECORDER X-Y	084	ш	1448
		PARTIALLY COMPATIBLE	PATIBLE						
	2	153012U L	135		28480	28480 RECURDER COORDINATE DATA	6 8 0	4	1518

PART II

TCRL, U.S. ARMY GENERAL PURPOSE TMDE TO OTS ETE SPECIFICATION(S)

PART II THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS

06/52/90

CONTONO CONDITIONAL CA CONDO ON CA CONDO CACCO C	NUMBER IS					BY SPEC MR AND SPEC NAME
H C BOOOO 0891 S2 H C BOOOO 0892 S1 H C BOOOO 0893 S1 H LA27 28569 091 S2 H LA27 28569 091 S2 H LA27 28569 089 S1 H LA28 28569 089 S1 H LA39 28569 089 S1 H LA48 28569 089 S1 H LA48 28569 089 S1 H LA48 28569 089 S1 H LA58 S28589 O89 S1 H LA58 S28589	100	AN 18 398USM	5		2 OSCILLOSCOPE, DUAL TRACE, DC100HH2	
1154A 60009 089 51 1027 28569 091 52 5154G 00009 089 51 1128 28569 089 51 1178 1528 28480 089 51 1170 1170A 28569 089 51 1170A 28569 099 52 1170A 28569 52 1170	F 000	AM1819USH	5354C		2 OSCILLOSCOPE, DUAL TRACE, DC100NHZ	
H C C 00009 089 51 H 1027 28559 091 52 5354CMOB601 80009 089 51 L 20009 089 51 L 20009 089 51 L 30009 089 51	3005	ANIBAIUSM	5354R		1 OSCILLOSCOPE, DC-15MH2	
137 1324 26569 091 52 137 1324 60009 089 51 137 1328 28480 089 51 13 1528 80009 089 51 13 1528 80009 089 51 14 10049A 28569 089 51 14049 28569 089 51 1750A 28569 089 51 1750A 28480 091 52 1750A 3850 0	0007	AH1842AUSH	v	80 60009	1 OSCILLOSCOPE, DC-15MH2	
137 1528 28480 889 51 137 1528 28480 889 51 1	0000	AMIR42RUSH	1827		2 OSCILLOSCOPE, DUAL TRACE, DC100HHZ	
137 1528 28480 089 51 B 80009 089 51 L 80009 089 51 L 80009 089 51 L 90009 089 51 I 10049A 28569 089 51 I 10049A 28569 089 51 I 1004A 28669 089 51 I 175A 28680 091 52 I 175A 28680 091 52 I 175A 8 28480 091 52 I 175A 8 10009 091 52	5169	AM1842USM	53546		1 05C1LL0SC0PE, 0C-15MH2	
117 1526 28460 089 51 L 80009 089 51 L 80009 089 51 L 10049 28569 089 51 110440 28569 089 51 1175A 28569 089 51 1175A 28569 089 51 1175A 28569 089 51 175A 28569 089 51 175A 28680 091 52 175A 3869 091 52 175A 28680 091 52 175A 80009 091 52 175A 80009 091 52 175A 80009 096 51 175A 80009 089 51 175A 80009 089 51	9000	A41842USM	53546H00601		1 OSCILLOSCOPE, DC-15MHZ	
D	6000	AM 10 15 USM 137	1528	28480 08	1 OSCILLOSCOPE, DC-15MH2	
L 100.49A 28569 089 51 100.49 28569 089 51 100.40 28569 089 51 100.40 28569 089 51 100.40 28569 089 51 100.40 28569 089 51 100.40 28569 089 51 100.40 28589 089 51 100.40 28589 089 51 100.40 28589 089 52 100.40 28589 091 52 100.40	0100	AM3148USM	c	80000	1 OSCILLOSCOPE, DC-15MH2	
AM1567AUSH IRO49A 28569 089 51 AM156AUSH IRO41A 28569 089 51 AM156AUSH IRO44A 28569 089 51 AM156AUSH IRO44A 28569 089 51 AM156AUSH IRO44A 28569 089 51 AM4010U IP5A 28480 091 52 AM4180U IP50A 28480 091 52 AM4180U F261A 28480 091 52 AM45A5U PA15AM11 80009 091 52 AM65A5U PA26A 80009 091 52 AM67A7UU PA2A 80009 099 54 AM67A7UU PA2A 80009 089 51 AM67A7UU PA11 80009 089 51	1100	AM 31 74 USM		80000	1 OSCILLOSCOPE, DC-15MH2	
AM156 PUSH IN0449 20569 0899 51 AM156 RAUSH IN044A 20569 0899 51 AM156 RAUSH IN044B 20569 0899 51 AM40 30 U I774A 20480 091 52 AM40 31 U I750A 20480 091 52 AM40 31 U I750A 20480 091 52 AM40 31 U 760B 30669 091 52 AM65 5U 760B 30669 091 52 AM65 6U 760B 30669 091 52 AM67 6U 760B 760B 30669 091 52 AM67 6U 7426 80009 090 54 AM67 6U 7511 80009 089 56	001)	AM1567AUSH	180494	28569 08	1 05C1LL05C0PE, DC-15MH2	
1A04AA 28569 089 51 1A04B 28569 089 51 1752A 28480 091 52 1750A 28480 091 52 1750A 28480 091 52 7251A 28480 010 57 7408 30669 091 52 742A 80009 090 54 742A 80009 090 54 7511 80009 085 51 741A 80009 085 51	2100	4435670	11049	20569 08	1 0SC1110SCOPE, 0C-15MH2	
H 1804B 28569 089 51 177A 28480 091 52 1750A 28480 091 52 1750A 28480 091 52 760B 30669 091 52 7A15AN11 80009 091 52 7A26 80009 090 54 7A17 80009 089 51 7511 80009 085 56	0015	AH1568AUSH	110411		I OSCILLOSCOPE, DC-15MM2	
172A 28480 091 52 1750A 28480 090 52 1750A 28480 091 52 5261A	1100	AMISABUSM	14048	28569 08	I OSCILLOSCOPE, DC-15MH7	
1750A	9100	AM40 30U	17524		2 OSCILLOSCOPE, DUAL TRACE, DC100MH2	
1750A 28480 091 52 52618	9100	UALLOPHA	1750R		2 OSCILLOSCOPE, DUAL TRACE, DC100MHZ	
7261A 28480 01f S7 7A15AN11 80009 091 S2 10 8001A 28480 036 91 7A2A 80009 090 S4 7A7 80009 089 S1 7511 80009 085 S6 7A16 80009 085 S5	0017	4440310	1750A		2 OSCILLOSCOPE, DUAL TRACE, DC10 OMM2	
7608 30669 991 \$2 7A15AN11 80009 091 \$2 U 8004A 28480 036 91 7A26 80009 090 \$4 7A11 80009 085 \$6 7A16 80009 085 \$6	0019	1001	\$261A		7 UNIVERSAL COUNTER (DC TO 500MH2)	
JAISANII 60009 091 52 U 6004A 28480 036 91 JAZA 80009 090 54 7AII 80009 085 51 7AIR 80009 091 52	0000	4446 100	7608		2 OSCILLOSCOPE, DUAL TRACE, DC100MH2	
U 8004A 28480 036 91 7A2A 80009 090 54 7A72 80009 089 51 7511 80009 085 56 7A16 80009 091 52	1700	4865650	7A15AN11		2 OSCILLOSCOPE, DUAL TRACE, DC100MH2	
7426 80009 090 54 7427 80009 089 51 7511 80009 085 56 7418 80009 091 52	1461		8103A		DSCILLOGRAPHIC RECORDER A 92	OSCILLOGRAPHIC RECORDER
7A27 80009 089 \$1 7511 80009 085 \$6 7A18 80009 091 52	0053	AH6785U	7426		4 OSCILLOSCOPE, DUAL TRACE, DC200MH2	
7511 80009 085 56 7418 80009 091 52	1570	AM6.7.84U	7422		1 OSCILLOSCOPE, DC-15MH2	
7418 80009 091 52	1586	AH67A7PU	7511		6 OSCILLOSCOPE, DC-500MH2	
	1575	AMABADU	7418		2 DSCILLOSCOPE, DUAL TRACE, DC100MHZ	
CO12010 1572 AMARRIU 7A11 A0009 090 S4 OSCILLOSCOPE,DUAL II	1572	AM6881U	1113	80009 09	4 OSCILLOSCOPE, DUAL TRACE, DC200HHZ	

				23	NRT 11	18 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PART II TWDE CROSS-REFERENCE General Purpose thoe ots ete	ETE SPECIFICATIONS		06/25/80	
NDEX	7 HDE	TVPE Dfsignator	HFG HODEL NR	FSCH	FAN	FUNCT 8Y SE	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	ATIBLE FC NAME	PART BY S	PARTIALLY COMPATIBLE By Spec nr and Spec name	
032055	1862	032055 4862 AM64AU	7A15A	80008	160	25	SCILLOSCOPE,	OSCILLOSCOPE, DUAL TRACE, DC100MHZ			
210220	3594	022012 3594 ANAAMIS	JARSL	92056	966				96	TEMPERATURE INDICATOR	
\$00060	3542	090005 3542 ANGCH4	DACS	64629	013	22	DATA ERROR TEST	ST SET			
100011 0145 AMGGM1	0145	ANGGH 1	DACSA	96238	990	35 1	TELÉTYPE TEST	SET	33	FELETYPE TEST SET GEMERATUR FELETYPE TEST SET ANALYZER	
810001	1410	100018 0141 ANGGMIA	DACV	96238	990	35	TELETYPE TEST	SET	33	TELETYPE TEST SET GENERATUR TELETYPE TEST SET ANALYZER	
10001	2510	100027 0147 ANGGMILV	4006 700 3002	96238	990	35	TELETYPE TEST	· SET	33	TELETYPE TEST SET GENERATOR TELETYPE TEST SET ANALYZER	
080005	0119	080005 014A ANGCM15V	0096	14031	990	35	TELETYPE TEST	SET	* 5	TELETYPE TEST SET GENERATOR TELETYPE TEST SET ANALYZER	
900080	0149	OBCCCC OITO ANGENISVI	9600	14031	990	35	TELETYPE TEST	. SE T	33	TELETYPE TEST SET GENERATUR TELETYPE TEST SET ANALYZER	
700080	0120	080007 0150 AMCGM15V2	9600RM	14031	990	35	TELETYPE TEST	SET	× 6	TELETYPE TEST SET GENERATUR TELETYPE TEST SET ANALYZER	
100008	2410	100008 0142 AMCGM2	DACSB	96238	990	35	TELETYPE TEST	SET	¥£	TELETYPE TEST SET GENERATOR TELETYPE TEST SET ANALYZER	
100009	0143	OI43 ANGGM?A	DACV	96238	990	35	TELETYPE TEST	SET	33	TELETYPE TEST SET GENERATUR TELETYPE TEST SET ANALYZER	
10001		OISI ANGGM20	D15531A	31935	946	35 1	TELETYPE TEST	SET	3.25	FELETYPE TEST SET GENERATOR FELETYPE TEST SET ANALYZER	
100001		D144 ANGGMJ	DACSC	96238	9 9 9	35	TELETYPE TEST	· se t	*	TELETYPE TEST SET GENERATUR TELETYPE TEST SET ANALYZER	
100001	0140	100001 0140 ANGEM4	DACSD	96238	990	15.	TELETYPE TEST	SET	*5	TELETYPE TEST SET GENERATOR TELETYPE TEST SET ANALYZER	
100006	9110	100006 0146 ANGCM5	DACSF	96238	90	35	TELETYPE TEST	. SE T	22	TELFIYPE TEST SET GENERATOR TELETYPE TEST SET ANALYZER	
# 100¥B	9119	GROOIA OIS9 ANGPHIS		8207b	050	5	GENERATOR, SIGNAL, PUL SE		62	SIGMAL GENERATOR, MF Generator, Signal, vmf	
610000	0910	0160 ANCPHISA	CA74R	82076	050	5	GEMERATOR, SIGNAL, PULSE		83	SIGNAL GENERATOR, HF GENERATOR, SIGNAL, VMF	
010056	710	010056 0174 ANGRHSO	6.06.A	26460	150				55	SICNAL GENERATOR, HF Audig Oscillator	

GEMERAL PURPOSE THDE DTS ETE SPECIFICATIONS

06/52/90

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INDEX THDE TYPE HUNDER ID DESIGNATOR	R MFG MODEL NR	FSCM CODE		FUNCTIONALLY COMPATIBLE By Spec nr and spec name	PARTIALLY CONPATIBLE By Spec Mr and Spec name
					18 GENERATOR, SIGNAL, VMF 17 SIGNAL GENERATOR, VMF A
B010057 B175 ANGRM50A	11507A	28480 051			0) SIGNAL GENERATOR, HF 01 AUDIU OSCILLATOR 10 GENERATOR, SIGNAL, VMF 17 SIGNAL GENERATOR, VMF A
D010058 0176 ANGRHSOR	A06AC 15	26460 051			03 SIGMAL GEMERATOR, HF 01 AUDIO OSCILLATOR 10 GEMFRATOR, SIGMAL, VHF 17 SIGMAL GEMERATOR, VHF A
0010059 0177 ANGRM50C	4176	130 1 1011			D3 SIGNAL GENERATOR, HF O1 AUDIO OSCILLATOR 18 GENERATOR, SIGNAL, VHF 17 SIGNAL GENERATOR, VHF A
3650 ANGSH13		966	6.5	SPECTRUM ANALYZER, LOW FRED	
3651 ANGSH15		966	63	SPECTRUM ANALYZER, LOW FRED	
A033001 0193 ANGSHIJA	7659740	19200 003			28 NULTIMETER, DIGITAL HANDHELD 26 INSULATION, TEST SET 27 MEGOHMMETER 29 NULTIMETER, DIGITAL
E013037 0208 ANGSH161	042090	09553 034	28	MOISE POWER RATIO TEST SET	
E013038 0209 ANGSMIBIA	0A2090A	09553 034	3.0	NOISE POWER RATIO TEST SET	
A033011 0196 AMSM45	8213077	600 00761			29 MULTIMETER, DIGITAL 26 INSULATION, TEST SET 27 MCCOMMRETER 28 MULTIMETER, DIGITAL HANDHELD
A012002 0199 ANGSM64	VJSA	03626 078	62	MULTIMETER, DIGITAL	
A012003 0200 ANGSM64A	345	03626 070	62	MULTIMETER, DIGITAL	
0201 ANGSH64R	RADDAFM	89536 078	62	MULTIMETER, DIGITAL	
KOROGOG 0216 ANPGM1	FMT5200	02036 067	35	TELETYPE TEST SET	
K080009 0237 AMPGHIA	249	06053 067	35	TELETYPE TEST SET	
K080010 0219 ANPCHIS	KFC7750	09043 067	35	TELETYPE TEST SET	
0050052 0239 ANPPHI	212A	26480 050	5	GENERATOR, SIGNAL, PULSE	
D050052 3576 AMPPHIA	Z12A	28480 998	5	GENERATOR, SIGNAL, PULSE	

PART II THOE CROSS-REFERENCE LIST GENERAL PURPUSE THOE OTS ETE SPECIFICATIONS

INDEX MUNDER	15	TMDE TYPE ID DESIGNATOR	MFG MODEL MR	FSCH	FAH	FC	FUNCTIONALLY COMPATIBLE By Spec hr and Spec name	9 A R	PARTIALLY COMPATIBLE By Spec nr and Spec name
0050852 3597 ANPRMI	1897	1HB4HF	100006	9988	8	7	FIELD STRENGTH METER A		
DO10003 0240 ANPRHIO	0770	ANPRHIO		13094	106	2	GENERATOR, SIGNAL, VHF		
A043059	1520	A04)059 0241 ANPRNIS	28276	82680	632			28	MULTIMETER, DIGITAL HANDIKELD HEGOHHMETER
CO40086 3564 AMPSH	1564	ANPSHL			966	23	НЕ СОНИНЕ ТЕ R		
A011006 0247 ANPSH4	1220	ARPSHA	626	68092	032			8.8	MULTIMETER, DIGITAL HANDHELD
A041007 0248 ANPSH4A	0248	ANPSHAA		55026	035			82	MULTINETER, DIGITAL MANDHELD
A04100# 0249 AMPSH48	6420	ANPSHAB	02667		032			~	HULTINETER, DIGITAL HANDHELD
A041009 0250 AMPSH4C	0520	ANPSHAC		91620	710			88	HULTINETER. DIGITAL HANDHELD
A041010 0251 AMPSH40	1570	AMPSH40	127160	19913	032			8	MULTIMETER, DIGITAL HANDHELD
A041011 0252 AMPSH4E	2520	ANPSHAE	PSH4	12510 032	260			82	MULTIMETER, DIGITAL MAMDHELD
A041012 0253 ANPSH4F	1570	ANPSHAF		12510 032	032			28	NULTIMETER, DIGITAL HANDHELD
A041005 0258 ANPSH4G	0250	ANPSHAG	VP9E 1A10001	21246	032			88	NULTIMETER, DIGITAL HANDHELD
A041030 0254 ANPSHA	0254	ANPSHA		95329	032	82	HULTIMETER, DIGITAL HANDHELD		
A041031 0255 ANFSH6A	6520	ANPSHSA		95325	032	9.7	HULTINETER, DIGITAL HANDHELD		
A041032 0246 ANPSHER	0246	ANPSHER	1995002	95325	032	82	MULTIMETER. DIGITAL HANDHELD		
K090064 0261 ANPTHO	1420	ANP TRO	34	64629	170	=	TRANSMISSION TEST SET		
C050041 0277 ANTSHIR	0211	ANTSHIB	15160001	99395	810	25	UNIVERSAL COUNTER 1DC TO 500MH2)		
K090070 2386 ANTSHAG	7186	ANTSHAB	9002660000	83744	122	13	DIAL EQUIPMENT TEST SET		
K 090040	1440	HO90000 0247 ANTSHAGA	9002660000	83744	122	2	DIAL EQUIPMENT TEST SET		
K100002 0307 ANUGHL	1010	ANUGHL		96238	990	33	TELETYPE TEST SET ANALYZER	35	TELETYPE TEST SET
K100024 0308 ANUCHS	0308	ANUGHS		06763	190	*	TELETYPE TEST SET GENERATOR	3	TELETYPE TEST SET
1.030002	0336	L030002 0336 AMJPH100	1891	66150	910	Ŧ	VOLTHETER, AC TRUE RMS		
8010005	1348	B010005 1348 ANUFH108	4158	28480	0 4 3	69	STANDING WAVE RATID (SWR) NETER		
C040016	0440	C040016 0870 ANUPHIIO	14188	35228	190	9	SPECTRUM AMALYZER, RF		
1100103	1110	C040014 0337 4NUFH133	S8154	03782	190	\$\$	SPECTRUM ANALYZEP, LOW FRED		

LIST	SPECIFICATIONS
32-86	THOE
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INDEX	130	TYPE DFS1GHATOR	HFG HODEL NR	FSCH	FAM	FUNC BY S	FUNCTIONALLY COMPATIBLE By Spec nr and Spec name	PART BY S	PARTIALLY COMPATIBLE By Spec MR and Spec Mame	
B050021 0316 ANUPH15	0316	ANUP H15		98179	050	5	GENERATOR, SIGNAL, PULSE			
00200500	0317	D050020 0317 ANUPHISA	16611	96151	050	5	GENERATOR, SIGNAL, PULSE			
C040015 0324 ANUPHS8	0324	ANUP H58	SCDL 149906	80063 061	190	9	SPECTRUM ANALYZER, RF			
K 060096	0325	KO60096 0325 ANUPH60		82199	053			65	SIGNAL GENERATOR, SHF E FREGUENCY NETER H POWER METER, SMF	
K060097	0 126	KO60097 0126 AMP460A	540319527	85199 053	153			63.6	SIGNAL GENERATOR, SHF E FREGUENCY NETER H POWER NETER, SMF	
	821.0	0128 ANUP. MB4	R110026	28480 061	190	9	SPECTRUM ANALYZER, RF			
6100403	6210	C040019 0129 ANUPMB4A	A152161	25778 061	1 90			9	SPECIRUM ANALYZER, RF	
L030003 0330 ANUPH93	0330	AMUP H93			970	7	VOLTMETER, AC TRUE RMS			
1030004	1110	L 030004 0331 ANUFH97AU			910	7	VOLTHETER, AC TRUE RMS			
1.030005	2110	L010005 0112 ANUPH91C	1,001	24635 076	920	7	VOLTHETER, AC TRUE RMS			
001005	0 344	D010005 0394 AMMINID3	SH06 30500	66129	150	63	SIGNAL GENERATOR, HF			
A 04 3008	0385	A043008 0385 ANURMI05			032	92	MULTIMETER, DIGITAL HANDHELD			
A 04 3009	9460	A043009 0386 ANURHI05B		06833	032	82	MULTIMETER, DIGITAL HANDMELD			
A 04 30 10	0 387	A043010 0387 ANURH105C	#105	12510 032	032	82	MULTIMETER, DIGITAL MANDMELD			
0010055	9460	D010055 0388 ANURM109	110141	79300 106	104	=	GENERATOR, SIGNAL, VHF			
£013014	1896	E013014 3681 ANURHIIOA			866			45	FIELD STRENCTH HETER C	
E 01 3008	1660	E013008 0391 ANURH120	SK130094	54778 082	200	79	POWER NETER, RF IN-LINE			
001000	2660	D010002 0392 ANURH127		\$1865 006	900	70	AUDIO OSCILLATOR			
K073059	1401	K073059 4401 ANURH134A	85938	A0052	1 90	æ	SPECTRUH ANALYZER, RF			
	1610	0191 AMURH145	91CA	04901	610	ç	VOLIMETER, RF			
A011025	124	A011025 0174 ANURH145A	991000	24635	070	0	VOLTHETER, RF			
A0110A	0 195	A011026 0195 ANURH1458	HVBZAA	65711 079	010	ç	VOLTMETER, RF			
0010015	0 374	D010015 0394 ANURHI49	54D6 10000	82199 107	107			5 9	SIGNAL GENERATOR, UHF A Generator, Signal, uhf	

PART II THDE CROSS-REFERENCE LIST GEMERAL PURPOSE THDE OTS ETE SPECIFICATIONS

INDEX NUMBER	1110E	TVPE OF SIGNATOR	MFG MODEL MR	FSCH	F AM C00E	FUNC PY S	FUNCTIONALLY COMPATIBLE Ry Spec nr and Spec name	4 >	PARTIALLY COMPATIBLE By Spec nr and Spec name
9410100	1033	0010146 1033 AMURH15	608E	28480	901	9	GENERATOR, SIGNAL, WHF	2	SIGNAL GENERATOR, VHF A
A043002	3571	A043002 3571 ANURH155	411A11025A	26460 996		7	VOLTMETER, AC TRUE RMS		
£013005	0 399	E011005 0199 ANURAIG7	6151A	70998	040			63	POWER METER, RF IN-LINE POWER METER, SMF
2610100	00+0	D010135 0400 ANURH170	7814	28480 053		90	SIGNAL GENERATOR. SHF B		
F 050001	040	F050001 0402 AMJRH176	E HC 2 5 R	19591	643			7;	FIELD STRENGTH METER A FIELD STRENGTH METER B
0000500	0403	C050008 0403 ANUTHISO	3334	58480 014		2	DISTORTION ANALYZER		
0010047	0404	D010047 0404 ANURM181	H202	28480	901	=	GENE RATOR, SIGNAL, VMF		
K071017	9405	KO71017 0405 AMURM182	4110105	70998 040		3	WATTHETER, RF		
C050018	0404	COSOOIB 0406 ANURNIBA	1144610001	28480 014		:	DISTORTION AMALYZER		
C050003	040	C050001 0407 ANUTHINA	334401C10	28480 014		*	DISTORTION ANALYZER		
0010010	1410	DOIGOID OTLI ANUTHZ560	3115	71900 051	1 50			03	AUDIO OSCILLATOR Signal Generator, HF
0200100	0142	DO10020 0342 ANURM25F	1620003	92428 051	150			56	AUDIO OSCILLATOR Signal Generator, HF
0010019	0143	D010019 0343 ANURM25H	192251	150 05199	150			50	AUDIO OSCILLATOR Signal Generator, HF
0010071	0344	D010021 0344 ANURM25J		26648 051	150			56	AUDIO OSCILLATOR Signal Generator, HF
0010054	0145	D010054 0145 A4URH26	>04	21900 106		•	GENERATOR, SIGNAL, VHF		
0900100	0346	D010060 0346 ANUPH26A			901	2	GENERATOR, SIGNAL, VHF		
1900100	0 147	D010061 0147 AMURM268	510911		901	=	GENERATOR, SIGNAL, VHF		
2900100	0069	D010062 0067 AMIRN26C	001001	87793	104	=	GENERATOR, SIGNAL, VINF		
2502109	910	G012052 0'148 ANURH32	1961138	19613	070			• •	FREQUENCY NETER 8 FREQUENCY NETER C
6035093	6110	G032053 0149 ANURM32A		49673	020			•••	FREQUENCY NETER B
2102603	1764	G032012 1764 ANURH43	7	70998 040		7	WATTHETER, RF		
2600500	3608	DOSOOS2 3608 ANURHIJA		V66 19116		7	WATTHETER, RF		

	SPECIFICATIONS
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I NDE X NUMBER	TMDE TYPE ID DFSI	TYPE DF S I GNA TOR	MFG MODEL NR	FSCM	FAN COOF	UMCT V SP	FUNCTIONALLY COMPATIBLE By Spec nr and Spec name	PARTIALLY COMPAYIBLE By Spec nr and Spec name
D050022 0350 AMIRH44	0320	AMURN44		82199	053			O7 SIGNAL GENERATOR, SHF C O4 GENERATOR, SIGNAL, PULSE
0050053	1510	D050023 0351 ANURM44A	1350000	04486	053			07 SIGMAL GEMERATOR, SHF C 04 GENERATOR, SIGNAL, PULSE
f 050005	2560	F050005 0352 ANURH47A		69899	043			44 FIELD STRENGTH METER B 43 FIELD STRENGTH METER A
F 050004	0353	F050004 0353 ANURH478	MH 30A	98869	6			44 FIELD STRENGIM METER B 43 FIELD STRENGIM METER A
F 050006	0154	F050006 0154 AMIRH47C	218	06053	043			44 FIELD STRENGTH METER B 43 FIELD STRENGTH METER A
D010126 0355 ANURN48	0 155	ANURNAB		15196 106		9	GENERATOR, SIGNAL, VHF	
0050019 0356 ANURH49	0356	ANURM 49		35225	107			15 SIGNAL GENERATOR, UHF A 17 SIGNAL GENERATOR, VHF A
0050018	0357	D050018 0157 ANURM49A	K00000149	35228	101			15 SIGNAL GENERATOR, UHF A 17 SIGNAL GENERATOR, VHF A
K073091 3724 ANURHSO	1724	ANURMSO I	NF 105	16665	0+3			43 FIELD STRENGTH NETER A 44 FIELD STRENGTH NETER B
DOSAGOI OJSA ANURMS2	0 154	ANURM52	6188E 106	28480	053	90	SIGNAL GENERATOR. SHF B	12 SIGNAL GENERATOR, SHF H
2000500	0359	D050002 0359 ANURM52A	A158	28480	053	90	SIGNAL GEMERATOR, SHF B	12 SIGHAL GENERATOR, SHF H
000500	0360	D050001 0160 ANURM528	C674100	27850	053	90	SIGNAL GENERATOR, SHF B	12 SIGNAL GENERATOR, SHF H
D010008 4596 ANURMS&	4546	ANURMS&	612A	28480	201	15 5	SIGNAL GENERATOR, UHF A	
9000000	2960	D080006 0362 AWRM41A	C015303007	00166	053	0 50	SIGNAL GENERATOR, SHF A	12 SICNAL GENERATOR, SHF H 16 CENERATOR, SIGNAL, UNF
0000000	0 345	D050008 0345 ANURM44A1	100409103	03877	101	91	GENERATOR, SIGNAL, UHF	15 SIGNAL GENERATOR, UNF A
000500	9960	D050009 0166 ANURH64A2	031204000	12365	107	1.h	GENERATOR, SIGNAL, UNF	15 SIGNAL GENERATOR, UHF A
9000500	0 36 3	0050006 0363 ANURM641		76809	101	9 4	GENERATOR, SIGNAL, WHF	15 SIGNAL GENERATOR, UNF A
1000500	9364	D050007 0364 ANURHS42	C014104001	76809 107		3	GENERATOR, SIGNAL, UNF	15 SIGNAL GENERATOR, UNF A
D010004 0367 ANURH70	1960	ANURH 70		07450	106	91	GENERATOR, SIGNAL, VHF	
COJGGGJ BIRA ANURH?9	9 36.8	Anur H 79		56118	910	S7 U	UNIVERSAL COUNTER IDC 10 500MHZ)	
C032041 0369 ANURHRO	6960	ANURHRO		35225	810	N 72	UNIVERSAL COUNTER (DC TO 500MHZ)	

				¥ 5	CENERAL C	140E	PART II IMDE CROSS-REFERENCE LIST General purpose thde ots ete specifications		08/52/80	
I NDE X NUMBER	THDE TYPE ID 0F51	TYPE Of SIGNATOR	MFG MODEL NR	FSCM	FAH	FUNC BY SI	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	PARTI. BY SP	PARTIALLY COMPATIBLE By Spec nr and Spec Manf	
6030005	0370	G030005 0370 AMIRKAL		35225	910	2.5	UNIVERSAL COUNTER (DC TO 500MHZ)			
K 071010	17.0	ROZIOIO OTZI AMURMAS		16665	043			21	FIELD STRENGTH NETER A FIELD STRENGTH NETER B	
K071011	2110	KO71011 0772 ANURH55A		16665	043			21	FIELD STRENGTH NETER A FIELD STRENGTH METER B	
£ 013033	נינוס	EOLIGII OI71 ANURHB6	72.4	86602	040	29	POWER HETER, RF IN-LINE	19	MATIMETER, RF	
£ 01 3034	0374	EOIJOJ4 OJ74 ANURMBBA	6733000	86602	010	62	POWER METER, RF IN-LINE	19	NATIMETER, RF	
8021007	9110	8021007 0375 ANURHYD	402070204	83777	800	25	BRIDGE, UMIVERSAL			
F 050002	0376	F 05 0 402 0376 AMURH91	TH275	30040	04.3			21	FIELD STRENGTH NETER A FIELD STRENGTH NETER B	
но11122		MO11122 0177 ANURHY3	245A	04401	051			22.2	SIGNAL GENERATOR, MF GENERATOR, SIGNAL, VMF SIGNAL GENERATOR, VMF A AUDIO OSCILLATOR	
M011115	0378	MOIIIIS 0378 ARURN93A	2450	04901	150			03 S 118 C 10 S 01 S	SIGNAL GENERATOR, HF Generator, Signal, VHF Signal Generator, VHF a Audio Oscillator	
£ 013006	0 180	E013006 0380 ANURH98	4 10C W4 7 7	26480 040		63	POWER METER, SHF			
COJIOIG O409 ANUSAS	0400	ANUS A 5	5254B	28480	910	25	UNIVERSAL COUNTER (OC TO 500MH2)			
F 0 30002	0110	FOJOGOZ O41G ANUSHIO	6512	80138 004	100			87 AI	AUDIO INTENSITY METER	
C 0 300 38	0434	C030038 043A ANUSH105	160F162A	28480	690	21 (OSCILLOSCOPE, DC-15MH?			
C0010037	04 39	C010017 0419 ANUSH105A	1408162A166A	28480	680	315	OSCILLOSCOPE, DC-15HHZ			
4011033	1534	A011033 4534 ANUSH106	+00E	28480	970	7	VOLÍMETER, AC TRUE RHS			
0000013	0440	DOGOGIJ 0440 ANUSHIDB	1904	28569	2 40			19	GENERATOR, SIGNAL FUNCTION	
2100800	1440	D080012 0441 ANUSH1988	C 1924A	10562	240			5 61	GENERATOR, SIGNAL FUNCTION	
0000000	6443	C010008 0441 ANUSHIL?	1211£ 316t	20183	690	2.5	OSCILLOSCOPE, DC-15MH?			
6000603	0444	C030009 0444 ANUSH117A		20183	690	21	OSCILLOSCOPE, OC-15MHZ			
1.150005	0445	L150005 0445 ANUSHILBB	592106	28569 072	07.2			36	fune lester	
6050030	0446	6050030 0446 ANUSMI22A	25.40	28480 018		2.2	UNIVERSAL COUNTER (DC TO SOOMH2)			

		PART 11 General		TMOE CROSS-REFERENCE LIST Purpose thde OTS ete specifications	09/52/90
INDEX TADE TYPE MUMBER ID DESIGNATOR	NFG MODEL NR	FSCH CODE		FUNCTIONALLY COMPATIBLE BY SPEC MR AND SPEC MAME	PARTIALLY COMPATÍBLE By Spec mr and Spec name
C012004 3561 ANUSH123	269	866 92055			28 MULTIMETER, DIGITAL HANDHELD
C030006 3612 ANUSHI40	1 70 A	160 08182	25	OSCILLOSCOPE, DUAL TRACE, DC100HHZ	
C010015 0448 ANUSH151	945MC	160 60009	25	DSCILLOSCOPE, DUAL TRACE, DC100HHZ	
C020021 0449 ANUSM154	317101	80009 089	21	OSCILLOSCOPE, DC-15MHZ	
G032027 0450 ANUSH159	K 50110200	15225 020			48 FREQUENCY METER B 49 FREQUENCY METER C 50 FREQUENCY METER D 51 FREQUENCY METER E
G032032 0451 ANUSM159A	K50110200	35225 020			48 FREQUENCY METER B 49 FREQUENCY METER C 50 FREQUENCY METER D 51 FREQUENCY METER E
F013057 0452 ANUSM161	151	11332 040			61 WATEMETER, RF 63 POWER METER, SHF
4583 ANUSHIE4	5418	160 60008	\$2	DSCILLDSCOPE, DUAL TRACE, DC100HHZ	
C010006 1615 ANUSM171		93346 998	\$	SEMICONDUCTOR TEST SET	
L 150026 0454 AMUSH173	244535	072	36	TUBE TESTER	
K090040 0455 ANUSHIBI	3550A	28480 071	70	TRANSMISSION TEST SET	82 TRANSMISSION TEST SET
K090039 0456 ANUSHIRIR	3550AC15	26460 071	8	TRANSMISSION TEST SET	82 TRANSMISSION TEST SET
K090084 4413 ANUSH181C	1550R	28480 071	=	TRANSMISSION TEST SET	82 TRANSMISSION TEST SET
C030011 0457 AMUSM182	5154101	60000 080	21	OSCILLOSCOPE, OC-15MH1	
C030012 0458 ANUSH182A	\$154101N	80000 080	21	OSCILLOSCOPE, OC-15MH7	
A041035 3633 ANUSM183	412A	28480 032	2.8	MULTIMETER, DIGITAL HANDHELD	
C030013 0459 ANUSMIR4	RHSSA	160 60000	25	DSCILLOSCOPE, DUAL TRACE, DC100MH?	
COJODI4 0460 ANUSHIR6	175AH12	28480 091	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ	
A041025 0464 ANUSHIB9	610A	60741 032			28 NULTIMETER. DIGITAL MANDMELD
D080005 0465 ANUSH170	620ARH01	28480 053	0	SIGNAL GENERATOR, SHF C	12 SIGNAL GENERATOR, SHF H
E013014 3677 ANUSHI93	4318	28480 041	63	POWER METER, SHF	
D060032 0467 ANUSH203	912473	01111 100	22	SWEEP CENERATOR, UHF/VIIF	20 SWFEP GENERATOR, HF
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		PAI	PART II General	TADE	TMDE CROSS-REFERENCE LIST Purpose tnde dis ete specifications	J	04/25/80
INDEX THDE TYPE Number to designator	HFG MODEL NR	FSCH	FAM	FUNC!	BY SPEC NR AND SPEC NAME	PARTI!	PARTIALLY COMPATIBLE By Spec nr and Spec name
D060033 0468 ANUSH203A	700441	23042	109	22	SWEEP GENERATOR, UHF/VHF	20 51	SWEEP GENERATOR, HF
DOIDO63 0469 ANUSM205	6504	28480	900			91 S	AUDIO OSCILLATOR Signal Generator, HF
DO10081 0470 ANUSM205A	150 .	25778	900			01 A 03 SI	AUDIG OSCILLATOR Signal Generator, HF
L100009 0472 ANUSH206	245HA	93346 (045	\$	SEMICONDUCTOR TEST SET		
L100010 0473 ANUSH206A	902470	28569	045	\$	SEMICONDUCTOR TEST SET		
G050023 0474 ANUSH207	1769	06692	910	57 (UNIVERSAL COUNTER (DC TO 500AHZ)		
G050024 0475 ANUSH207A		13576	810	22	UNIVERSAL COUNTER (DC TO 500HHZ)		
A041059 1335 ANUSH210	2606	92056	210			28 AL	MULTIMETER, DIGITAL HANDHELD
0010001 0476 ANUSH212	1580047001	13499	150			01 41	AUDIG OSCILLATOR SIGNAL GENERATOR, HF
D080014 0477 ANUSH213	86144	28480	101	2	GENERATOR, SIGNAL, UMF	15 51	SIGNAL GENERATOR, UHF A
D080016 0478 ANUSH713A	84148	28480	107	2	GENERATOR, S MAL, UMF	15 51	SIGNAL GENERATOR, UNF A
C030021 1512 ANUSH218	249	60009	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ		
DO60018 0479 ANUSM220	SH2000	04423	109	~~	SWEEP GENERATOR, UHF/VIIF		
D060037 0480 ANUSM221	SH2000	04423	109	62	TELEVÍSION GENERATOR A	·S 22	SHE GENERATOR, UHF/VHF
DO60017 04AL ANUSH222	SH2000	04423	109	22	SWEEP GENERATOR, UNF/VHF	79 15 21 51	FELEVISIOM GENERATOR A Sweep Generator, shf
A041018 0482 ANUSM223		28569	032			28 H	MULTIMETER, DIGITAL HAUDHELD
4011071 0483 ANUSH224	3400A	08482	090	7	VOLTHETER, AC TRUE RMS		
E020001 0484 ANUSM227	NF 157	03782	043	15	FIELD STRENGTH METER C	\$ 9 F	FIELD STRENGTH METER D
C020056 0411 ANUSH24	5.58	18372	680	2.	OSCILLOSCOPE, DC-15HHZ		
D010024 0756 ANUSH251	17096	24655	107			2323	SICHAL GEHERATOR, UMF A GENERATOR, SIGNAL, UMF SIGNAL GENERATOR, VMF A GEMERATOR, SIGNAL, VMF
D010154 0487 ANUSH252	17156	24655	106	2	GENERATOR, SIGNAL, VIF		
D040001 0488 ANUSH253	121868	24655 006		5	AUDIO OSCILLATOR		

CE LIST	SPECIFICATIONS
CROSS-REFERENCE	OTS ETE
CROSS-RE	SE THDE
TMDE	PURPO
PART II	GENERAL

I NDE X NUMBER	1 MDE 1 B	IMDE TYPE ID DESIGNATOR	MFG MODEL NR	FSCH	FAH	FUNC BY S	FUNCTIUNALLY CUMPATIBLE BY SPEC NR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec nr and Spec mame
C020022	0489	0489 ANUSH254	1100	28480 089	680	2	OSCILLOSCOPE, OC-15MHZ	
0050049	06 40	D050049 0490 ANUSH255	792A	12314	020	5	GENERATOR, SIGNAL, PULSE	
1100100	1640	D040011 0491 ANUSH256	7914	72314	054	2	GENERATUR, SIGNAL FUNCTION	
CO. 0001	2630	CO-0001 0492 ANUSH259	1114	28480	V10	*	DISTORTION ANALYZER	
6050040	21 40	G050040 0412 ANUSH26A	109194	94033	910	25	UNIVERSAL COUNTER LOC TO 500HHZ1	
£011017	0403	E013017 0493 ANUSH260	1316	28480	1 40	63	POWER METER, SHF	61 MATTHETER, RF
R010024	4570	8010024 4570 ANUSH261	415E	28480	063	69	STANDING WAVE RATIO (SWR) METER	
A020012	0495	A020012 0495 ANUSH26.2	240101012	33441	100			29 MULTIMETER, DIGITAL 23 AMMETER, AC, CLAMP-ON 28 MULTIMETER, DIGITAL HAMOMELD
A031028	9440	A031028 0496 ANUSM263	300	11637 008	900	52	BRIDGE, UNIVERSAL	
0610100	4019	D010130 4019 ANUSM264	652A	28480	240	61	GENERATOR, SIGNAL FUNCTION	
£012016	1640	E012016 0497 ANUSH265	400E1.02	28480	970	7	VOLTHETER, AC IRUE RHS	
0010100	0498	DOIDIO9 0498 ANUSH269	1310A	24655	900	5	AUDIO OSCILLATOR	19 GENERATOR, SIGNAL FUNCTION 03 SIGNAL GENERATOR, HF
100100	1650	D010013 0591 ANUSH272	161	80003	150			OI AUDIO OSCILLATOR OI SICNAL GENERATOR, HF 17 SIGNAL GENERATOR, WHF A 18 GENFRATOR, SIGNAL, VHF
000200	7050	C020009 0502 ANUSM273	453	160 60008	160	25	DSCILLOSCOPE, DUAL TRACE, DC100HH2	
0040036	0503	D060036 0503 ANUSH274	220	18785	640	12	SWEEP GENERATOR, SHF	
6402600	0504	G032049 0504 ANUSH275	96051A	76487	020			48 FREQUENCY METER 8 49 FREQUENCY METER C
C030043	0505	C030043 0505 ANUSH281	1404602	160 08182	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ	
C 0 30044	0506	C030044 0506 ANUSH281A	155198720	28480	160	25	OSCILLOSCOPE, BUAL TRACE, DC10 DMHL	
C 0 30045	0507	C030045 0507 AMUSH2818	4510#	16152	160	25	DSCILLOSCOPE, DUAL TRACE, DC100MHZ	
0030046	050A	COJOO46 OSOA ANUSHZBIC	211N1031	80000	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MH?	
CO 10047	0509	C010047 0509 ANUSHZALD	1950	160 69906	160	25	DSCILLOSCOPE, DUAL TRACE, DC100MH2	
0030048	0110	C030048 0510 ANUSH281E	1950A	30669	160	25	DSCILLOSCOPE, DUAL IMACE, DC100MH2	

PART II TMDE CROSS-REFERENCE LIST GENERAL PURPOSE TMDE OTS ETE SPECIFICATIONS

I NDE X NUMBE R	7 MDE 10	THDE TYPE ID DFSIGNATOR	HFG MADEL MR	FSCH	FAN	FUNC	BY SPEC NR AND SPEC HANE	PARTIALLY COMPATIBLE By Spec mr and Spec name
0100000	0511	C030010 0511 ANUSM296	18068602	28480	160	25	OSCILLOSCOPE, OUAL TRACE, OCIOONHZ	
£013012	2150	E013012 0512 ANUSH298	13	86601	290			62 POWER HETER, RF IN-LINE
A041020	0513	A041020 0513 ANUSM303	300H	13913	032	67	MULTIMETER, DIGITAL	
1201404	1150	A041021 0514 ANUSH303A	300HA	13913	260	62	NULTIMETER, DIGITAL	
K071014	0515	KO71014 0515 ANUSM106V		94668	<u>•</u>			70 VULTMETER, FREQUENCY SELECTIVE b6 Spectrum amalyzer, Baseband b4 Signal Generator, Tracking
K071015	0516	KO71015 0516 ANUSH106VL	1055	94668 110	011			70 VOLTMETER, FREQUENCY SELECTIVE 66 SPECIRUM ANALYZER, BASEBAND 64 SIGMAL GENERATOR, TRACKING
C040058	0517	CO40058 0517 ANUSH307V		28480 062	290	9	SPECTRUM AMALYZER, RF	
C040059	0518	CO40059 0518 ANUSH307VI	841 0AE 14	28480	790	9	SPECTRUM AMALYZER, RF	
0060043	0519	DOGOGES OFIG ANUSAIDBY	8690RF 75	28480	640	77	SWEEP GENERATOR, SHF	
000000	0550	C010015 0520 ANUSH109V1	1404E51	26480	680	21	OSCILLOSCOPE, DC-15HHZ	
2500103	0521	C030052 0521 ANUSH309V2	15708401	28480	680	2	DSCILLOSCOPE, DC-15MHZ	
2100100	0522	DD10012 0522 ANUSH312	1362	54655	107			15 SIGMAL GENERATOR, UHF A 17 SIGMAL GENERATOR, VHF A 18 GENERATOR, SIGMAL, VHF
001000	0523	D010009 0523 ANUSK313	12110	24655	901	2	GENERATOR, SIGNAL, VHF	17 SIGNAL GEMERATOR, VHF A 03 SIGNAL GENERATOR, HF
40110A	3718	A041026 3718 ANUSH319A	2693	92055	210			29 MULTIMETER, DIGITAL
C020035 0413 ANUSH32	0413	ANUSH 12	17200046	16776	680	15	05C1LL05C0PE, DC-15MHZ	
1100103	0578	C030031 0528 ANUSH320VI	1414F15	28480	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MH2	
8 010017	0530	8010017 0510 ANUSM122VI	7612	1327	063	69	STANDING HAVE RATIO (SWR) HETER	
8010010	0511	8010018 0531 ANUSH322V2	219	11327	063	69	STANDING WAVE RATIO (SWR) METER	
A010019	0512	8010019 0532 ANUSA32V3	17038	77327 063	063	69	STANDING WAVE RATIG (SMR) METER	
A042006 0414 ANUSM33	1140	ANUS M 3 3		65092	200			23 AMMFTER, AC, CLAMP-DM
240140V	1376	A041042 1176 ANUSM117	85 140 1	89536	032			29 MULTIMETER, DIGITAL
C020048	1150	C020048 0511 ANUSM119	17008061300	28480	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ	

LIST	SPECIFICATIONS
RENCE	S ETE
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THOE CROSS-REFERENCE	PURPOS
PART II	FRAL
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I NDE X NUMBER	T MOE 10	THOE TYPE ID DESIGNATOR	MFG MODEL NR	FSCM	FAN	FUNC BY S	FUNCTIONALLY COMPATIBLE By Spec hr and Spec name	PARI	PARTIALLY COMPATIBLE By Spec nr and Spec name
K 0 400 31	0534	K 0 90031 0534 ANUSM343	3550AC24	28480	170	=	TRANSMISSION TEST SET	8.2	TRANSMISSION TEST SET
004000	0537	D040009 0537 AMUSH158	10%	80008	054	61	GENERATOR, SIGNAL FUNCTION		
0050058	3617	D050058 3617 ANUSM359	1115	60009	020	5	GENERATOR, SIGNAL, PULSE		
0900203	240 \$	CO20060 4042 ANUSM364V1	4422	80009	690	2.1	OSCILLOSCOPE. DC-15HHZ		
(10010)	0539	COLOGES OSSS ANUSHIBSVI	7705814	28480	910	26	OSCILLOGRAPHIC RECORDER B	4	OSCILLDGRAPHIC RECORDER A
0100403	0540	CO40010 0540 ANUSM366V	164	80009	190	9	SFECTRUM ANALYZER, RF		
801008	0415	8010008 0415 ANUSH37	4154	28480	190	69	STANDING WAVE RATIO (SWR) METER		
6000108	0416	B010009 0416 ANUSM37A	415F	26480	190	69	STANDING WAVE RATIO (SWR) METER		
8010010	1140	B010010 0417 ANUSM378	8008	28480	063	69	STANDING WAVE RATIO (SWR) METER		
1100101	0418	ROIDOIL D418 ANUSH37C			063	69	STANDING WAVE RATID (SWR) HETER		
8010012	6140	8010012 0419 AMUSM370	100 3515	28480	190	69	STANDING WAVE RATIO (SWR) METER		
8010013	0450	8010013 0420 ANUSM37E	23%	1327	690	3	STANDING WAVE RATID (SWR) HETER		
0050046	1150	D050046 0541 ANUSH374	111	80008	050	5	GENERATOR, SIGNAL, PULSE		
K0900N	1747	K0900A3 17A7 ANUSH423	3550RH03	28480	170	10	TRANSMISSION TEST SET	82	TRANSMISSION TEST SET
C 0 4 0 0 0 B	1648	C040008 1648 ANUSM24	3040A	28480	059			65 66 68	SPECTRUM ANALYZER, LOW FREO Spectrum analyzer, baseband Spectrum analyzer, rf
A033026	4839	A033026 4839 ANUSH437VI	150104	60000 000	600	8	CABLE TEST SET (TDR)		
0010066	1240	D010066 0421 ANUSM44	60ANF 802	28480	106	=	GENERATOR, SIGNAL, VHF		
0010067	0452	DO10067 0422 ANUSH44A	606DE02	28480	901	2	GENERATOR, SIGNAL, VHF		
0010068	0453	D010068 0423 AMJS#44B	600FF02	28480	106	1.1	SIGNAL GENERATOR, VIIF A		
0600100	1041	D010090 4041 ANUSH44C	L17001	25778	901	2	GENERATOR . SIGNAL . VHF		
	5105	5105 ANUSH451			032	62	HULTIMETER, DIGITAL		
C010000	0425	C010008 0425 ANUSH46	#1202931	56196	910	-	OSCILLOGRAPHIC RECORDER A		
D080037 1865 ANUSH47	1965	ANUSH47	626A	26460	640	12	SWEEP GENERATOR, SHF		
008000	9474	D080008 0426 ANUSM4A	4294	28480	053	60	SIGNAL CENERATOR, SHF E	71	SIGNAL GENERATOR, SHF H
C020052	1240	C020057 0477 ANUSM50	1.42396	35225	160	25	DSCILLOSCOPE, DUAL TRACE, DC100MH?		

L15T	SPECIFICATIONS
RENCE	
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THDE CROSS-REFERENCE	PURPOSE
PART II	GENERAL

				3	HERAL	PURPO	GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS	
I NDE X NUNBE R	1 HOE	TMDE TVPE 10 DESIGNATOR	NFG MODEL NR	FSCH	FAM	FUNCT BY SPI	FUNCTIONALLY COMPATIBLE PARF BY SPEC MR AND SPEC NAME BY S	PARTIALLY COMPATIBLE BY SPEC MR AND SPEC MAME
C 0 2 0 0 5 3	6250	C020053 0424 ANUSH50A	2190	35228	089	21 00	OSCILLOSCOPE, DC-15MH2	
100200	6240	C020054 0429 ANISH508	K00000177	35228	680	21 0.	0\$C1LL0\$C0PE, DC-15MH2	
5500203	04 30	C020055 0410 ANUSM50C		19126	089	21 0	OSC1LLOSCOPE, DC-15MHZ	
C 0 3 0 0 2 2	2450	C030022 0542 ANUSM504	SIIA	80000	089	21 0	OSCILLOSCOPE, DC-15MHZ	
	1196	JELL ANUSHRI	\$15W\$154C	80000 080	680	S1 0:	OSCILLOSCOPE, OC-15MHZ	
6013027	0433	013027 0433 4MUSHB3	MCIA	94987 010	010	, C	CALORINETER	
C020051 0414 ANUSH89	0434	ANUSHBO	3104	60000 089	6 90	SI 0	DSCILLOSCOPE, DC-15MHZ	
C020050	0435	C020050 0415 ANUSMA98	1404	28569 089	690	21 0	OSCILLOSCOPE, OC-15MHZ	
F070074 0436 ANUSHIO	91.40	ANUSHIO	8522168	18876	811	¥ 62	MULTINETER, DIGITAL	
A012033 0437 ANUSH98	0437	ANUSHOB	100	89536 077	220	29 M	MULTIMETER, DIGITAL 28	MULTIMETER, DIGITAL MANDHELD
HO15014 0541 ANVDH2	1150	ANVD#2		01214 089	680	\$1 03	OSCILLOSCOPE, DC-15HHZ	
0000004 0546 46374	9450	46376		80063 106	901	39 er	GENERATOR, SIGNAL, VIIF 03	SIGNAL GENERATOR, HF
000000	1550	6030004 0547 CH77AUSM	5408	28480	610	S8 F1	FREQUENCY COUNTERCIONZ TO 18CHZ)	
	4938	4938 CH77USH			610	S8 F1	FREQUENCY COUNTERLIOHZ TO 18GHZ)	
6050049 0549 CP1033U	6450		522 H	28480 017	210	S7 UP	UMIVERSAL COUNTER (DC TO SOOMMZ)	
	4659	4659 CP1049PU	4245H	28480 018	910	51 E	UNIVERSAL COUNTER IDC TO 500MH2)	
6050043	0550	050043 0550 CF1100U	5100851108	28480 051	1 50	S8 FF	FREQUENCY COUNTERLIOHZ TO 186HZ1	
6050042 0551 CP1101U	1550	0101143	TISSAA	06819	6 2 0	11 92	IMPULSE NOISE COUNTER 02	TRANSMISSION TEST SET
6050070	1111	5050070 5111 CP1392TYC			e 10	s7 u	UNIVERSAL COUNTER (OC TO SOOMH2)	
CO50027 0548 CP777AU	0548	CP 77 2 AU	3245L	28480	610	\$8 FI	FREQUENCY COUNTERLION? TO 18GHZ)	
C031019 0554 CV2002U	1550	CV2002U	\$75 BR	28480 018	810	37 U	UNIVERSAL COUNTER (DC TO 500MH2)	
1101109	9550	CONTOIL 0554 CVZUOTAU	52548	28480	610	SB FF	FREQUENCY COUNTERFLOHZ TO 18GHZ)	
1201603	1540	6031021 1540 CV2003BU	3>525	58480 019	610	58 FF	FREDUENCY COUNTERLION? TO 18CH?)	
0101609	1111	6031010 3727 CV234IIRN	25908	28480 125	125	S9 FF	FREG CNIR(300KH2-16GHZ RF PULSE)	
HO16014 JA19 CV7350U	9141	CV7150U	7621	610 11990	610	SA FE	FREQUENCY COUNTERCION? TO 18GHZ)	
CO31017 0552 CV3010	2550	CV 50 kg	20711	28480 018	810	s u	UNIVERSAL COUNTER LOC TO 500MH?)	

PART II THDE CROSS-REFERENCE LIST GENERAL PURPOSE THOE OTS ETE SPECIFICATIONS

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_	THDE TYPE ID DFSIGNATOR	HFG HODEL NR	F SCH C	CODE	7 K SI	FUNCTIONALLY COMPATIBLE P By Spec nr amd Spec name b	PARTIALLY COMPATIBLE By Spec mr and Spec mame
1022 055	G011022 055A CV3059U	\$255A	28480 (010	57 1	UNIVERSAL COUNTER (OC TO SOOMHZ)	
1054 176	U1454. CV1427VIU	17104	28480	790	89	SPECTRUM AMALYZER, RF	
1035 446	C043035 4405 NTS42U	1701A	28480	190		95	6 HICROWAVE LINK ANALYZER
0072 056	C040072 0562 NTS50V	37038	28480 0	0.00	26	MICROWAVE LINK ANALYZER	
3005 228	A013005 2285 FR-40/65N-1	21.942	20950	020	;	FREQUENCY METER A	
190	0670 FR175G		•	, 020	54	FREOVENCY NETER H	
150 9402	G012046 0570 FR17hV	X532B	28480	020	53 1	FREQUENCY NETER G	
100 1502	6032051 0571 FR146U	M410A	020 62600		52 4	FREGUENCY NETER F	
150 6600	G050039 0573 FR174U	5512A	26460 0	910	23	UNIVERSAL COUNTER (DC TO 500MH2)	
150 160	6032034 0574 FR194V	H532A	28480	020	53 (FREQUENCY METER G	
1001 051	G012001 0575 FR205U	1284	94668 110	01		0,	O VOLIMETER, FREQUENCY SELECTIVE
150 090	G032060 0576 FR208VIU	52104001	28480 020	920		24	7 FREQUENCY METER A
937 056	G032037 0564 FR18AU	524B	20400 0	070	6	FREQUENCY METER B	
036 056	C012016 0565 FR180U	000601	94033 020		6	FREDUENCY NETER B	
038 056	6032038 0566 FR38EU		00346 0	070	64	FREQUENCY METER B	
G032050 0563 FR4U) FRSU	SCDE 166412	56110	020	6	FREQUENCY METER 0	
064	0664 FR40GS91		03508	070	47	FREQUENCY METER A	
025 05h	G050025 0567 FPA04	\$228	28480 0	810	57 .	UNIVERSAL COUNTER (UC TO SOOHHZ)	
039 056	6032039 0569 FR91U	F 5C 1 738	16786 0	020	52 6	FREQUENCY NETER F	
965 169	C040065 1692 F1414U	24458	28480 0	790	89	SPECTRUM AMALYZER, RF	
948 058	6012048 0589 INI1736R	950	14814 0	610	58	FREQUENCY COUNTER(10H7 TO 18GH2)	
1062 141	4043062 1439 1821018	34750A	28480 0	032	62	MULTIMETER, DIGITAL	
014 058	KO20014 0585 FATSIU	181107	1 51964	211	"	AUDIO SYSTEM TEST SET	
016 154	C032016 1549 1M156100AN2		15859 9	866		36	I OSCILLOGRAPHIC RECORDER A 2 OSCILLOGRAPHIC RECORDER B
021 057	8010021 0572 IHIS7AU	4158410	28480 063		69	STANDING WAVE RATTO (SHR) HETER	

			4 3	PART 11 GENERAL	THDE CROSS-REFERENCE PURPOSE THDE OTS FTE	L1ST SPECIFICATIONS	\$	04/25/80
INDEX THDE NUMBER ID	THDE TYPE ID DESTGNATOR	HFG MMDEL NR	FSCH	FAN	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	RL E MANE	PARTIAL BY SPEC	PARTIALLY COMPATIBLE By Spec nr and Spec name
6010001 059	0593 IMIS7AU	4150	28480	190	69 STANDING MAVE RA	RATIO (SWR) METER		
8010023 0594 IMIS/CU	. IM157CU	R813A	06473	063	69 STANDING WAVE RA	RATIO (SWR) NETER		
B010025 0595 14157FU	S IMISZFU	7270537	1327	063	69 STANDING WAVE RA	RATIO (SWR) METER		
8010020 0591 IMIS7U	1 1M157U	4158	28480	690	69 STANDING WAVE RA	RATIO (SWR) METER		
B010015 0597 1M1758U	7 1417580	151	11332	063			69 SIA	STANDING WAVE RATIO (SWR) METER
B010014 0596 14175U	5 1M175U	151	11332	063	69 STANDING WAVE RATIO (SUR) HETER	TIO (SWR) NETER		
C040040 4086 [P1018J	5 1610183	360R	94668	090	66 SPECTRUM ANALYZER.	R. BASEBAND		
C040047 1699 [P1216PGR	9 IP1216PGR	1416	28480	190	68 SPECTRUM ANALYZER.	R. RF		
C040051 0599 1P173AU	J 18173AU	SRBA	03762	190	68 SPECTRUM ANALYZER.	R. RF		
CO40052 0600 1F173AU	0 1717380	SRRA	03782	190	68 SPECTRUM ANALYZER.	R. RF		
C040053 0582 1P173CU	2 1917360		03782	190	68 SPECTRUM ANALYZER,	R. RF		
C040050 0578 17173U	9 171730	583	03762	190	68 SPECTRUM ANALYZER,	R. RF		
A011002 0602 15185	7 15185	433	26059	976	41 VOLINETER, AC TRUE	UE RMS	28 HUL 29 HUL	MULTIMETER, DIGITAL MANDHELD Multimeter, Digital
6032033 0577 1129	7 1129	886111	80063	070			48 FRE	FREQUENCY METER & FREGUENCY METER C
6050056 0603 LA7RZA	3 LA 187A	523H	28480	910	S7 UNIVERSAL COUNTER LDC TO SOOMH	R (DC TU 500HHZ)		
LOADO15 0606 LM66	b 1.466	HE 0000223	92056	032	28 MULTIMETER, DIGITAL HANDHELD	TAL HANDHELD		
,704	4029 HDA3ARH			140	19 GEMERATOR, SIGNAL FUNCTION	L FUNCTION		
C040003 0646 MD913PU	5 MO913PU	3702A	28480	0 30	56 MICROWAVE LINK A	LIMK AMALVZER		
E013041 0649 MF11AU	9 MFLIAU		19116	040	61 NATIMETER, RF			
E013042 0650 MF11BU	D HF118U		06 2 20	010	61 WATTMETER, RF			
E013043 0651 MF11CU	1 MF11CU		19116	040	61 WATTHETER, RF			
E013940 0648 MF11U	B MFIIU	7503	10998	0+0	61 MATTHETER. RF			
A013018 0677	7 451470	f 5#	54085	976	41 VOLTMETER, AC TR	TRUE RMS	20 HUL	MULTIMETER. DIGITAL MAMDMELD MULTIMETER. DIGITAL
C050016 0678 MF153U	8 HF153U	19178	24655	110	74 DISTORTION ANALYZER	7ER		

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PART II TMDE CROSS-REFERENCE LIST Gemeral purpose imde ots ete specifications

PARTIALLY COMPATIBLE BY SPEC MR AND SPEC MANE		38 VOLTHETER, DIFFERENTIAL	69 STANDING MAVE RATIO (SWR) METER	29 MULTIMETER, DIGITAL 41 VOLIMETER, AC TRUE RMS	29 MULTIMETER, DIGITAL 41 VULTMETER, AC TRUE RMS	82 TRANSMISSION TEST SET	02 TRANSMISSION TEST SET	23 AMMETER, AC, CLAMP-DN		20 MULTIMETER, DIGITAL HANDHELD	28 MULTIMETER, DIGITAL HANDHELD				29 MULTIMETER, DIGITAL 40 VOLTMETER, RF	29 MULTIMETER, DIGITAL 40 VOLTMETER, RF	29 MULTIMETER, DIGITAL 40 VOLIMETER, RF	29 MULTIMETER, DIGITAL 40 VOLIMETER, RF	29 MULTIMETER, DIGITAL 40 VOLIMETER, RF	20 MULTIMETER, DIGITAL MANDHELD 29 MULTIMETER, DIGITAL 81 TRANSMISSION TEST SET 82 TRANSMISSION TEST SET	29 MULTIMETER, DIGITAL
BY SPEC NR AND SPEC NAME	3 AMMETER, AC, CLAMP-UN		POWER METER, RF IN-LINE	9 VOLTHETER, DIFFERENTIAL	B VOLIMETER, DIFFERENTIAL	I TRANSMISSION TEST SET	I TRANSMISSION TEST SET		S VECTOR VOLTMETER	P HULTIMETER, DIGITAL	NULTIMETER, DIGITAL	P MULTIMETER, DIGITAL	L AUDIO SYSTEM TEST SET	L AUDIO SYSTEM TEST SET	9 MULTIMETER, DIGITAL HANDHELD	9 MULTIMETER, DIGITAL HANDHELD	MULTIMETER, DICITAL HANDHELD) HULTIMETER, DICITAL HANDHELD	NULTINETER, DIGITAL HANDHELD	I VOLTMETER, AC TRUF RMS	S HULTIMETER, DIGITAL MAMBHELD
	· 62 8	~	3 62	1 38	1 38	1 91	10 1	-	4	7 29	67 1	67 8	2 71	2 71	2 28	2 20	82 2	2 20	82 2		9 58
	65092 998	69536 077	12991 063	121 96548	121 98568	120 19176	92161 071	100 26059	07342 074	33430 077	85711 077	28480 078	63003 112	73446 112	20400 032	91820 032	99395 032	210	28480 032	28480 076	50423 076
MFG MODEL NR FSCM	904	401 89	\$2500 12	A038 809		76	26 1645	253983 656	2028R 07	353 33	HA17C 85	3440A 28	FL 301 83	59041 73	4108 28	16	260000		410A 284	403R 28	305A 50¢
THDE TYPE ID DESIGNATOR	A013013 1974 HF15AU	A012014 0679 MF161U	BOIDOO4 OARI MF165C	A013009 0483 MF202RU	A013008 0682 MF202U	E013018 0654 ME22APCM	E013016 0653 MF22PCM	A020025 0684 MF221U	B022016 O6A5 MF223APN129	0687 MF227AU	A012005 0486 MF227U	AOLZOL7 OKAB MEZILFYOS	KO20011 0690 HF254AU	KO20012 0689 4F254U	AO43004 0656 4F26AU	A043005 045 <i>7</i> MF24AU	A043006 0658 MF26CU	A043007 0657 MF26BU	A043003 0655 MF26U	A011029 0691 HF26011	A011037 0692 HF262U
LNDEX	4013013	A012014	B010004	A013009	A01 3008	E013018	£013016	A020025	8022016		A012005	A012017	K 020011	K020012	A043004	A 04 3005	A043006	A 04 3007	A043003	A011029	A011037

PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME	41 VOLTMETER, AC TRUE RMS	86 VOICE BAND ANALYZER	BI TRANSMISSION TEST SET 29 NULTIMETER, DIGITAL	81 TRANSMISSION TEST SET 29 MULTIMETER, DIGITAL	BI TRANSMISSION TEST SET 29 MULTINETER, DIGITAL	BL TRANSMISSION TEST SET 29 MULTIMETER, DIGITAL	OI TRANSMISSION FEST SET 29 MULTINETER, DIGITAL	81 TRANSMISSION TEST SET 29 MULTIMETER, DIGITAL	OI TRANSMISSION TEST SET 29 MULTIMETER, DIGITAL	40 VOLTMETER, RF 28 MULTIMETER, DIGITAL MANDHELD 29 MULTIMETER, DIGITAL		20 MULTIMETER, DIGITAL MANDHELD	29 MULTIMETER, DIGITAL		28 MULTIMETER, DIGITAL HANDHELD			71 AUDIO SYSTEM TEST SET B1 TRANSMISSION TEST SET B2 TRANSMISSION TEST SET	27 NEGOHMMETER 30 GIMMETER 28 MULTIMETER, DIGITAL HANDHELD 29 MULTIMETER, DIGITAL
FUNCTIONALLY COMPATIBLE E BY SPEC NR AND SPEC NAME		70 VOLIMETER, FREQUENCY SELECTIVE	41 VOLIMETER, AC TRUE RMS	41 VOLIMETER, AC TRUE RMS	41 VOLTHETER, AC TRUE RMS	41 VOLIMETER, AC TRUE RMS	41 VOLTMETER, AC TRUE RMS	41 VOLIMETER, AC TRUE RMS	41 VOLIMETER, AC TRUE AMS		41 VOLTMETER, AC TRUE RMS	29 MULTIMETER, DIGITAL	41 VOLIMETER, AC TRUE RMS	74 DISTORTION ANALYZER	29 MULTIMETER, DIGITAL	69 STANDING WAVE RATIO (SWR) METER	41 VOLTMETER, AC TRUE RMS		
MODEL NR FSCH		94668	26480	26687	26687	15156	1 12365	25778 076	28480	0C 28480 032	28480	16335	9009	28480	50423	28480	05 26460	1528 14140 005	96332 035
INDEX THDE TYPE NUMBER 10 DESIGNATOR HE		A011044 0693 MF295U 12	, A011016 0661 MF 30AU 40	. A011017 0662 MF308U 51	A011012 1622 MF 30CU 51	AOIIOIO OA63 MF30DU II	A011019 3623 MEJ0FU 99	A011074 4046 MF30FU	A011015 0560 MF30W 40	A041028 0694 MF 301AU 416	A011008 0695 MF31AU 340	J050062 0696 HF133U 21	A011032 0697 ME334U 10	C050015 0678 MET36URM 13	A043022 0699 NE33AU 14	A043022 0700 MF319U 41	A011011 0701 MF 140U 40	KO20013 0702 MF156U NP	A031001 0703 HF35AU 610
	THDE TYPE ID DESIGNATOR HFG MODEL NR FSCN CODE BY SPEC NR AND SPEC NANE	TWDE TYPE ID DESIGNATOR MFG MODEL MR FSCM CODE BY SPEC MR AND SPEC MANE 4 VOLTMETER, AC FRUE	THDE TYPE 1D DESIGNATOR NFG MODEL NR FSCN CODE BY SPEC NR AND SPEC NAME 41 VOLTNETER, AC FRUE 10693 MF295U 1258 PARTIALLY COMPATIBLE 87 SPEC NR AND SPEC NAME 41 VOLTNETER, FREQUENCY SELECTIVE 80 VOLTNETER	ATOR HFG MODEL MR FSCN CODE BY SPEC MR AND SPEC NAME BY SPEC NR AND SPEC NR	ATOR HFG MODEL MR FSCH CODE BY SPEC MR AND SPEC NAME BY SPEC NR AND SPEC NAME BY SPEC HR AND SPEC NAME BY	ATOR HEG MODEL HR FSCH CODE BY SPEC MR AND SPEC NAME BY SPEC HR AND SPEC NAME 1258 94668 110 70 VOLTHETER, FREQUENCY SELECTIVE B6 VOICE BAND ANALYZEI 400D 28480 076 41 VOLTHETER, AC TRUE RMS 29 HULTIMETER, DIGITAL 26687 076 41 VOLTHETER, AC TRUE RMS 29 HULTIMETER, DIGITAL 29 SITAMSHISSION TEST 39 LOGGINA 1651 34 26687 076 41 VOLTHETER, AC TRUE RMS 29 HULTIMETER, DIGITAL 2000 2000 2000 2000 2000 2000 2000 20	ATOR HEG MODEL HR FSCN CODE BY SPEC MR AND SPEC NAME BY SPEC HR AND SPEC NAME BY SPEC	ATOR HEG MODEL HR FSCN CODE BY SPEC MR AND SPEC NAME BY SPEC HR AND SPEC NAME BY SPEC NAME BY SPEC HR AND SPEC NAME BY S	ATOR HEG MODEL NR FSCH CODE BY SPEC NR AND SPEC HANE 1258 94668 110 70 VOLTHETER, FREQUENCY SELECTIVE B6 VOICE BAND ANALYZEI 400D 26480 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 513A 26687 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 513A 26687 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 1111A 35124 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 1111A 35124 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 1111A 35124 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 25778 076 41 VOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 261 HAMSHISSION TEST 27 HULTHRETER, DIGITAL 28 HULTHRETER, DIGITAL 27 HULTHRETER, DIGITAL 28 HULTHRETER, DIGITAL 29 HULTHRETER, DIGITAL 27 HULTHRETER, DIGITAL 28 HULTHRETER, DIGITAL 29 HULTHRETER, DIGITAL 21 HULTHRETER, DIGITAL 21 HULTHRETER, DIGITAL 21 HULTHRETER, DIGITAL 21 HULTHRETER, DIGITAL 22 HULTHRETER, DIGITAL 23 HULTHRETER, DIGITAL 24 HULTHRETER, DIGITAL 25 HULTHRETER, DIGITAL	ATOR HEG HODEL HR FSCH CODE BY SPEC HR AND SPEC HANE 1236 94668 110 70 VOLTHETER, FREQUENCY SELECTIVE B6 VOLTHETER, AC TRUE 400D 28480 076 41 VOLTHETER, AC TRUE RMS 5134 26687 076 41 VOLTHETER, AC TRUE RMS 5134 12365 076 41 VOLTHETER, AC TRUE RMS 529 HULTHRETER, DIGITAL 525778 076 41 VOLTHETER, AC TRUE RMS 529 HULTHRETER, DIGITAL 53778 076 41 VOLTHETER, AC TRUE RMS 53 HULTHRETER, DIGITAL 5400C 28480 076 41 VOLTHETER, AC TRUE RMS 54 HULTHRETER, DIGITAL 55 HULTHRETER, DIGITAL 55 HULTHRETER, DIGITAL 56 HULTHRETER, DIGITAL 57 HULTHRETER, DIGITAL 58 HULTHRETER, DIGITAL 59 HULTHRETER, DIGITAL 50 HULTHRETER, DIGITAL 51 HRANSHISSION TEST 52 HULTHRETER, DIGITAL 54 HULTHRETER, DIGITAL 55 HULTHRETER, DIGITAL 56 HULTHRETER, DIGITAL 57 HULTHRETER, DIGITAL 58 HULTHRETER, DIGITAL 59 HULTHRETER, DIGITAL 50 HULTHRETER, DIGITAL 51 HRANSHISSION TEST 51 HRANSHISSION TEST 52 HULTHRETER, DIGITAL 53 HULTHRETER, DIGITAL 54 HULTHRETER, DIGITAL	ATOR HEG HODEL NR FSCH CODE BY SPEC HR AND SPEC HAHE 1258 94668 110 70 VOLTHETER, FREQUENCY SELECTIVE BY SPEC HR AND SPEC HAHE 1278 94668 110 70 VOLTHETER, AC TRUE RMS B1 TRANSHISSION TEST SE 4.1 VOLTHETER, AC TRUE RMS 513A 26687 076 41 VOLTHETER, AC TRUE RMS 520 HULTHRETER, DIGITAL 1111A 3512A 076 41 VOLTHETER, AC TRUE RMS 520 HULTHRETER, DIGITAL 700C 26680 076 41 VOLTHETER, AC TRUE RMS 61 TRANSHISSION TEST SE 70 HULTHRETER, DIGITAL 700C 26680 076 41 VOLTHETER, AC TRUE RMS 70 HULTHRETER, DIGITAL 71 HANSHISSION TEST SE 72 HULTHRETER, DIGITAL 73 HULTHRETER, DIGITAL 74 HULTHRETER, DIGITAL 75 HULTHRETER, DIGITAL 75 HULTHRETER, DIGITAL 76 HULTHRETER, DIGITAL 77 HULTHRETER, DIGITAL 78 HULTHRETER, DIGITAL	ATOR HEC MODEL MR FSCR CODE BY SPEC MR AND SPEC NAME 1238 94660 110 70 VOLTMETER, FREQUENCY SELECTIVE B6 VOLTMETER, AC TRUE RMS 513A 2660 706 41 VOLTMETER, AC TRUE RMS 513A 2660 7076 41 VOLTMETER, AC TRUE RMS 513A 2660 7076 41 VOLTMETER, AC TRUE RMS 513A 2660 7076 41 VOLTMETER, AC TRUE RMS 61 TRANSMISSION TEST SE 79 MULTIMETER, DIGITAL 6400 711 711 711 711 711 711 711 711 711 7	ATOR HEG MODEL MR FSCN CODE BY SPEC MR AND SPEC NAME 1238 94648 110 70 YOLTHETER, FREQUENCY SELECTIVE B6 YOLCH BAND BANALYJER 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 2340 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 29 HULTHRETER, DIGITAL 2908101 12365 076 41 YOLTHETER, AC TRUE RMS 29 HULTHRETER, DIGITAL 2	17-78 HEC MODEL HR FSCH CODE BY SPEC NR AND SPEC NAME BY SPEC NR AND SPEC NR AND SPEC NAME BY SPEC NR AND SP	17-8 He C MODEL MR FSCH CODE BY SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MR AND SPEC MR AND SPEC MAME BY SPEC MR AND SPEC MAME BY SPEC MR AND SPEC M	17-06 HE FECH CODE BY SPEC HR AND SPEC HANE BY SPEC HR AND SPEC HANE BY SPEC HANG BY	17.50 FACE HORE FACE HOR	1736 1626 10 10 10 10 10 10 10 1	17-56 FSCH CODE BY SPEC HAME FACTOMALLY COMPATIBLE A1 SPEC HAME A10 SPEC HAME

PART II THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS

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INDEX	1 x 0 €	THDE TYPE ID DFSICHATOR	HFG MODEL NR	FSCM	FAH	FUNC BY S	FUNCTIONALLY COMPATIBLE By Spec nr and Spec name	PARTIALLY COMPATIBLE By Spec nr and Spec Mane
A043014 0704 HF 170U	970	MF 170U	427401	28480	200	62	MULTIMETER, DIGITAL	28 MULTIMETER. DIGITAL HANDIMELD
	0740	0740 MF405U	400LR	28480	976	7	VOLTMETER. AC TRUE RMS	
A041029 0705 ME419U	0705	NE 41 9U	270	\$5056	032			28 MULTIMETER, DIGITAL HANDMELD 29 MULTIMETER, DIGITAL
A013020 0704 NF425U	0704	NE 4.25U	+00	28480	920	7	VOLTMETER, AC TRUE RMS	81 TRANSMISSION TEST SET 29 MULTIMETER, DIGITAL
A011020 2791 NE426U	2791	ME 426U	3406A	28480	610	ş	VOLIMETER, RF	
J050017 0707 WF441U	0707	# 44 1U	432A	28480	1 60	ç	POWER METER. SHF	62 POWER METER, RF IM-LINE
AD11021 0708 HF444U	0708	HF444U	320A	50423 076	910	7	VOLIMETER, AC TRUE RMS	29 MULTIMETER, DIGITAL
A041023 0709 ME450U	070	MF 450U	260	16902	032	82	MULTIMETER, DIGITAL HANDHELD	29 MULTIMETER, DIGITAL
ADILO41 0710 ME451G	0110	ME451G	ALOL	94668	920	7	VOLTHETER, AC TRUE RHS	
A020023 0711 ME452U	1116	ME 452U	•	92056	00 3			29 MULTIMETER, DIGITAL 28 MULTIMETER, DIGITAL HANDHELD
A013019 5178 MF457U	5178	MF457U	7562A	28480 078	970	62	MULTINETER, DIGITAL	
A011072 0712 HE459U	2110	NE459U	400EL	28480	976	=	VOLTHETER, AC TRUE RMS	
A032013 1392 HF441U	1 392	HF4410	1964	24655	120	97	INSULATION, TEST SET	
4041055	1377	4041055 1377 MF4A2PU	34508	28480 032	210	62	MULTIMETER, DIGITAL	
A020024 2019 HF48AU	5019	HF 48 AU	4288	28480	200	23	AMMETER. AC. CLAMP-UN	
A042003 1368 MF4M9U	1 168	MF 4 A 9 U	243	26069	260	82	HULTIMETER, DIGITAL HANDHELD	29 MULTIMETER, DIGITAL
C060002 1629 MF470U	1629	MF 470U	4843	\$0319	110	82	PHASE JITTER METER	82 TRANSMISSION TEST SET
C032009 1741 ME495U	171	HE105U	517A	28489	020	53	FREDUENCY NETFR G	
	4792	4792 MF476U	545	51692	260	62	HULTIMETER, DIGITAL	
A043012 3565 MF47RU	1565	MF49RU	34702A	28480 032	260	50	MULTIMETER, DIGITAL	
E013031 0652 MF51UF	2590	MF 5 L UP	6815094	26069	1+0	63	POWER METER. SHF	
A020022 4544 MF511U	4344	HF311U	1002062166	4,9092	210			24 MULTIMETER, DIGITAL HANDHELD
B022002 1436 MF512U	1.36	MF 5 1 2 U	8405A	26480 074	420	•	VECTOR VOLIMETER	
	0665	0665 4576154	117	96762	E 0 6	0	VOLTHETER, RF	

PART 11 THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS

06/52/90

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INDEX THDE NUMBER ID	THDE TYPE ID DFSIGNATOR	HFG HODEL NR	FSCH COD		BY SPEC MR AND SPEC MAME	4 7	PARTIALLY COMPATIBLE BY SPEC MR AND SPEC MANE
C060011 0667 MF57AU	MFS7AU		81865 031	1 57	MODULATION METER		
ADILO19 1674 HESTRU	HES/BU		866	15 6	, MODULATION NETER		
CO60010 0666 MES7U	. MES7U		110 59818	1 57	PHODULATION METER		
A011052 0647 HF6U	. HF6U	TOOL	05535 076	9	VOLTHFIER, RF	19	WATTHETER, RF
ADIIO77 5160 MEBU	ME 6U	400CL	28480 998	17 6	VOLTHETER. AC TRUE RMS		
F050003 0669 WF61CRC9	HF61GRC9		80063 043	1 43	FIELD STRENGTH METER A		
A020007 0669 HESSAU	HE 65 AU	196645	100 26059	1 23	I ANNETER. AC. CLAMP-ON		
A020005 3729 NE65U	, ME65U	131173	18569 001	1 23	I ANNETER. AC. CLANP-ON		
A011019 3625 HE69U	. HE 69U	4151000	10998 998	19	NATIMETER. RF		
K090021 0671 MF71AFCC	HF 71 AF CC	1004	94668 005	9 91	TRANSHISSION TEST SET	41	TRANSMISSION TEST SET VOLTMETER, AC TRUE RMS
K090022 0672 MF71NFCC	NF 7 INF CC	1018	94668 005	5 81	I TRANSHISSION TEST SET	27	TRANSMISSION TEST SET VOLTHETER, AC TRUE RMS
K090021 0673 HF71CFCC	H FICFCC	520074	07450 005	10 5	TRANSMISSION TEST SET	8	TRANSMISSION TEST SET VOLTMETER, AC TRUE RMS
K090020 4410 MF71FCC) HF 71FCC	K\$15538	\$00 6\$6+9	3 91	TRANSHISSION TEST SET	28 41	TRANSMISSION TEST SET VOLTHETER, AC TRUE RMS
A011019 1626 HF 77	, HF 77		932	82 2) MULTIMETER, DIGITAL MANDMELD	62	MULTIMETER, DIGITAL
E013030 0674 MER2U	MERZU	NH265	65092 040	19 0	WATTHETER, RF		
F080005 0675 MERKU	HE BAU	143762	62065 119	06 6	OPTICAL TEST SET		
A942020 0676 MFRTU	ME 87U	280	65092 032	82 2	HULTIMETER, DIGITAL HANDMELD	62	HULTINETER, DIGITAL
EDIJOI4 36A2 MERBU	HEADU	4114	28480 079	40	VOLIMETER, RF		
A011007 1184	1184 MILMISO34A		032	2 28	HULTIMETER, DIGITAL HANDHELD	•	
CO60001 0717 HX1616AU	HX1636AU	5248	28480 018	8 57	, UNIVERSAL COUNTER LDC TO 500MH21	_	
2160	DOLZ MAIDBU	CDRJ	93790 011	1 25	BRIDGE, UNIVERSAL		
C030025 0738 HX2330G	1 HK2310G	515	80000 080	9 51	I DSCILLOSCOPE. DC-15MH?	•	
C032041 0741 MX2910AUSM	HK29 JOAUSH	1474	28480 089	9 51	OSCILLOSCOPE, DC-15MH7		
C032044 0742 HX2730BUSH	HX2930RUSH	16.78402	28480 091	25 1	USCILLOSCOPE, DUAL TRACE, DC10 0HHZ	~	

PART II THOE CROSS-REFERENCE LIST GENERAL PURPUSE THDE 015 ETE SPECIFICATIONS

INDEX THDE TYPE Number to designator	NFG HIDEL NR	FSCH CODE		FUNCTIONALLY COMPATIBLE BY SPEC MA AND SPEC NAME	PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME
C03204\$ 0743 MX2930CUSM	180482	28569 091	25	USCILLUSCUPE, DUAL TRACF, DC100MHZ	
C032046 0744 HX2930DUSA	K50430100	160 52256	25	USCILLUSCOPE, DUAL TRACE, DC100MH2	
C033018 0746 HX7962USN105	1660N	28480 089	5.1	OSCILLOSCOPE, OC-15MHZ	
E013014 0745 HK7962USM105	180487	28569 089	21	OSCILLOSCOPE, OC-15MHZ	
0060005 0756 HTA3644PUSH	46708	28480 049	12	SWEEP GENERATOR, SWF	
C020025 0740 NS110V	122A	28480 087	\$1	OSCILLOSCOPE, DC-15AH2	
C020029 0781 P5123U	RH504H00233A	80009 089	21	OSCILLOSCOPE, DC-15HHZ	
C220030 1516 #5124Cth19	120A	28480 089	2	USCILLOSCOPE, DC-15HH7	
C020023 07A2 051325PA	121	80000 089	21	05C1LL05C0PE. DC-15HHZ	
C020023 0743 95172APUSH218	647A	160 60008	25	USCILLOSCOPE, DUAL TRACE, DC100MH2	
CO31002 4023 05193PAU	1408	28480 091	25	DSCILLOSCOPE, DUAL TRACE, DC100HHZ	
C03001h 07A4 05193PU	1+04	28480 085	\$6	OSCILLOSCOPE, DC-500MHZ	
CO31012 4400 05707FUSM3	1814	28480 089	21	OSCILLOSCUPE, OC-15HHZ	
C010011 9786 85211P4U	3418	80000 080	21	OSCILLOSCOPE, DC-15AHZ	
C010012 0785 05211PU	5618	60009 089	21	OSCILLOSCOPE, DC-15MMZ	
C020031 0787 05242U	503	80009 089	21	OSCILLOSCOPE, OC-15MHZ	
C020046 4541 N5261AV1U	47507	60009 000	ž	OSCILLOSCOPE, DUAL TRACE, DC200M12	
C020003 0788 05251U	4754	80000 085	\$3	OSCILLOSCOPE, DUALTRACE, STORAGE	
C031004 07A7 05267PU	7423A	60000 065	\$	USCILLUSCOPE, DUAL TRACE, DC200MHZ	
CO31011 1457 05266PU	7844	80009 080	\$5	DSCILLUSCOPE, DUAL TRACF, DC400HHZ	
C020019 0790 055001U	10+AR	72314 089	21	05C1LL05C0PE, 0C-15HHZ	
C020039 0773 NSSAU	4.4	19133 089	21	OSCILLOSCOPE, DC-15NHZ	
C020040 0774 NSHAU	902206	28569 089	21	OSCILLOSCOPE, OC-15NH2	
C020041 0775 #54CU	HAV115	91820 089	5.1	OSCILLOSCOPE, DC-15NHZ	•
C020042 0776 MSRDU		15533 089	\$ 1	USCILLOSCOPE, DC-15HHZ	
C020043 0777 US4FU		\$9025 089	21	OSCILLOSCOPE, OC-15MH2	

				4 ₩	PART II General	THDE	PART II THDE CROSS-REFERÊNCE LIST General purpose thde ots ete specifications	04/52/80
INDEX HUMBER	TMDE TYPE ID DESTO	TYPE DFSICNATOR	MFG MODEL WR	FSCH	FAN	FUNC BY SI	FUNCTIONALLY COMPATBLE BY SPEC MR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec Hr and Spec Name
C020044	87.70	O778 DSAFU		-	1 60	15	OSCILLOSCOPE, DC-15MH?	
C020045	0110	0779 MSAGU	1506	34487	1 60	215	OSCILLOSCOPE, OC-15MHZ	
C020038 0772 ASAU	0772	กรสบ	C5835	28569	089	215	05C1LL05C0PE • 0C-15AH2	
0010014 3544 913166	3544	913166	196406601	90348	053	50	SIGNAL GENERATOR, SHF A	
000000	1261	NO70020 1921 0132165M	TH77744	09553	034	28	NOISE POWER RATIO TEST SET	
0070007 1901 01637V	1001	016370	F2H	04423	104			22 SWEEP GENERATOR, UHF/VHF 21 SWEFP GENERATOR, SHF
C040079 1677 01736V	1471	017360	3736A	26480	030	26	MICROWAVE LINK ANALYZER	
UTLI 6741 0800+03	1679	971710	1719A	28480	010	*	MICROHAVE LINK ANALVZER	
DOLO117 3720 0450U	3720	04500	200ABR	28480	900	5	AMDIO OSCILLATOR	
0010138 1A31 OA50U	16 91	08500	1302A	24655	900	10	AUDIO OSCILLATOR	
D070025 0791-PL1176V	1620	PL1178U	3104A	28480	240			19 GENERATOR, SIGNAL FUNCTION
1001100	+14+	MO13007 4614 PL1239USM30A	ньозя	28480	866	12	SWEEP GENERATOR, SHF	
0.000000	1904	D080029 1904 PL1240AUSH30A	#67 JA001	28480	640	2	SWEEP GENERATOR, SHF	
0070015	4768	0070015 4766 PL1240USH30A	86938	28480	640	7	SWEEP GENERATOR, SMF	
0070014	+04+	D070014 4604 PL1240USH308V	1044169	28480	043	12	SWEEP GENERATOR, SHF	
1206200	914	D078021 9794 PL1241AUSM38AV	86588	28480	250	2	SWEEP GENERATOR, HF	
0070043	3570	D070043 3596 PLI24IRU5M30A	10048696	28480	250	20	SWEEP GENERATOR, HF	
100/00	0175	0070013 0775 PL1242USM308	86978	28480	6+0			21 SWEEP GENERATOR, SHF 22 SWEEP GENERATOR, UHF/VHF
1007004	9610	D070041 0796 PL124JUSHJOA	A706A	28480	040	2	SWEEP GENERATOR, SHF	
	1535	1935 PL [2440		16522	978			SA NOISE POWER RATIO TEST SET
D070011 0777 PL12ASU	1110	PL1285U	13054	28480	1 60	2	GENERATOR, SIGNAL FUNCTION	
C032013 0793 PL1292U	6640	PL1292U	A7	80000	260	2	DSCILLOSCOPE.DUAL TRACE.DC100HHZ	
2102603	0144	012012 0799 PL1793U	241	60008	260	25	DSCILLOSCOPE, DUAL TRACE, DC100MH2	
collots prop Pliloly	0040	PL 1303U	82524	28480	610	22	UNIVERSAL COUNTER (DC 10 500MHZ)	
1000/00	1040	B070001 G401 PL1304U5H10A	86748	28480	640	7	SWEEP GENERATOR, SHF	

PART 11 TMDE CROSS-REFERENCE GEMERAL PURPOSE TMDE 075 ETE	LIST	SPECIFICATIONS
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PART 11 CENERAL	TABE	PURP
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IMDEX TMDF TYPE MUMBER ID DFSIGNATOR	MFG MODEL NR	FAN FSCN CODE		FUNCTIONALLY COMPATIBLE BY SPEC MR AND SPEC NAME	
3732 PL1306AU	A1 01A	28480 998			91 DSCILLDGRAPHIC RECORDER A 92 DSCILLDGRAPHIC RECORDER B
C032023 0803 PL1310U	2463	80009 080	\$5	DSCILLDSCOPE, DUAL TRACE, DC400MM2	
C033007 0404 PL1311W	2867	160 60000	\$2	OSCILLOSCOPE, DUAL TRACE, DC100MHZ	
C032018 0805 PL1312U	34.72	8000008	21	OSCILLOSCOPE, OC-15MH2	
C032054 40A3 PL1313U	1405A	28480 089	2	OSCILLOSCOPE, DC-15MHZ	
CO31001 0804 PLL320U	5257A	28480 019	28	FREQUENCY COUNTERLIGHZ TO 18CH2)	
JO50046 OAO7 PL1323U	41114	28480 089	21	OSCILLOSCOPE, OC-15MHI	
0070028 0408 PL1343U	16#	04423 108			22 SWEEP GENERATOR, UHF/VNF
A012016 0909 PL1344U	\$265A	28480 078	53	MULTIMETER. DIGITAL	
2075 PL1356U	8693A	28480 049			21 SWEEP GENERATUR, SHF
JO600001 0810 PL1373U	\$6	80009 089	21	OSCILLOSCOPE, OC-15MH?	
CO32047 1479 PL137AU	1803A	160 09192	\$2	OSCILLOSCOPE, DUAL TRACE, DC100MHZ	
CO10016 2692 PLI3A7U	355A	28480 081			19 GEMERATOR, SIGNAL FUNCTION 65 SPECTRUM ANALYZER, LOW FREO 66 SPECTRUM ANALYZER, BASEBAND
C040060 1165 PLI38AU	8552R	28480 061			65 SPECTRUM ANALYZER, LUM FREG 66 SPECTRUM ANALYZER, BASEBAND
COSOO77 1556 PLL1199	5267A	28480 018	5.7	UNIVERSAL COUNTER (DC FO 500HHZ)	
CO10018 1459 PL1390U	8001A	28480 036			91 DSCILLOGRAPHIC RECORDER A 92 DSCILLOGRAPHIC RECORDER 8
JOSO059 1625 PL1391U	นร	80009 059	99	SPECTRUM ANALYZER, RF	
C040077 1626 PL1392U	21.12	190 60008	9	SPECTRUM ANALYZER, RF	
C040029 1671 PL1194U	1705A	28480 061			56 MICROWAVE LINK ANALYZER
C040068 1676 PL1197U	#553R	28480 061	9	SPECTRUM ANALYZER, RF	
CO40083 3586 PL1400U	9555A	28480 062	99	SPECIRUM ANALYZER, RF	,
1150006 1679 PL1401U	1738A	28480 010			56 MICROWAVE LINK ANALYZER
C040078 1675 PL1405VIU	1716A	28480 030			S6 HICROWAVE LINK ANALYZER

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I NDE X NUMBER	1 HDF	THDF TYPE ID DFSICMATOR	HFG HODEL NR	FSCH	FAN CODE	FUN SY S	FUNCTIONALLY COMPATIBLE By Spec NR and Spec name	PARTIALLY COMPATIBLE By Spec nr and Spec name
C040012	1691	C040012 1697 PL1406U	85548	26480	190	8.	SPECTRUM ANALYZER, RF	
C010002 1547 AN426U	1547	804248	74184	26480 036	036	76	OSCILLOGRAPHIC RECORDER B	91 DSCILLOGRAPHIC RECORDER A
C010007 0813 89189G	0.613	R0189G	80264200	96795	036	26	OSCILLOGRAPHIC RECORDER B	91 OSCILLOGRAPHIC RECORDER A
0100103	+180	COLOGIO ORIS ROZOZASHIZV	40232100	96795 036	960	16	DSCILLOGRAPHIC RECORDER A	
C010009 ON15 R0425U	0815	80425U	722	28480 036	960	16	OSCILLGGRAPHIC RECORDER A	92 OSCILLOGRAPHIC RECORDER B
C012004	1551	C012004 3557 RA45AVIU	70358	28480 084	084	86	X-Y RECORDER	
100103	9140	C01001+ 0A16 A8460Y1U	7702R	28480 036	980	16	OSCILLOGRAPHIC RECORDER A	92 OSCILLOGRAPHIC RECORDER B
C040034	1672	C040034 1672 R2049VIU	17028004	26480 061	190			56 MICROWAVE LINK ANALYZER
A041067	4058	A041067 4058 507110A	7119A	160 11890	160	62	MULTIMETER, DIGITAL	
8100700	0892	D020018 0892 5G1018U	1347A	26480 055	055	13	SIGNAL GENERATOR, THER NOISEA	
0010157	5110	D010157 5110 SG1019FLR9V	3300481151	15770 051	150	63	SIGNAL GENERATOR, HF	
0000000	0873	0080050 0893 \$610230	209A	28480	900	10	AUDIO OSCILLATOR	
0010100	1680	0010102 0894 5G1038U	17014	26460 106	106	e ~	GENERATOR, SIGNAL, WHF	03 SIGNAL GEMERATOR, HF
K100031	0875	K100031 0A95 SG10545	PG303A	96238 067	190	34	TELETYPE TEST SET GENERATOR	35 TELETYPE TEST SET
000400	08.38	D040007 0R38 SC106U	105	80009	054	61	GEMERATUR. SIGNAL FUNCTION	
	1659	3659 SC107MSA6	206A	28480 998	966	10	AUDIO OSCILLATOR	
0010053	2071	0010053 2071 SG1093U	86408	28480 106	106	9	GENERATOR, SIGNAL, VHF	17 SIGNAL GENERATOR, VHF A
C035006	96896	C035006 0896 SG1094U	252	60000 000	600		CABLE TEST SET (TDR)	
6200000	1902	DONO029 1902 551102U	FSIA	07421 047	2 40	61	CENERATOR, SIGNAL FUNCTION	
000000	1907	0050010 2067 561105U	8013R	26460 050	050			04 GEMERATOR, SIGNAL, PULSE
000000	2015	DDBDDB4 2072 SG1112VIU	8640900 1004	28480 106	104	•	GENERATOR, SIGNAL, VHF	
1100700	1922	D020011 1922 SG1114U	THPBISA	09553 034	034	59	MDISE GENERATOR, TWELVE CHANNELS	
1500900	3714	DO60051 3714 SG1121V1U	8620C	28480 054	950	12	SWEEP GEMERATOR, SHF	
C043043	3585	CO43043 3585 SG1122U	41.14	26480	950	•	SIGNAL GENERATOR, TRACKING	1
C040037	16.90	CO40037 1690 SG1125U	8444A	28480 006	900	4	SIGNAL GENERATOR, TRACKING	
0010158	1 168	0010158 1968 \$611280	654A	28480 006	900	5	AUDIO OSCILLATOR	
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ENCE	£ 1 £
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THDE CROSS-REFERENCE	THDE
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PART	GENERAL

PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME		19 GEMERATOR, SIGNAL FUNCTION		03 SIGNAL GEMERATOR, MF			03 SIGNAL GENERATOR. HF GL AUDIG OSCILLATOR	101	#0I	20	HOT		JOH DI AUDIO OSCILLATOR	10N 01 AUDIO OSCILLATOR	ION OI AUDIO OSCILLATOR		04 GENERATOR, SIGNAL, PULSE	15 SIGNAL GENERATOR, UHF A 17 SIGNAL GENERATOR, VNF A 18 GENERATOR, SIGNAL, VHF		D+ GENERATOR, SJGMAL, PULSE 18 GENERATOR, SJGMAL, VHF	04 GENERATOR, SIGNAL, PULSE 18- GENERATOR, SIGNAL, VHF	20 SWEEP GENERALDR, UNE/VHF 20 SWEEP GENERATOR, HE
FUNCTIONALLY COMPAIGRE BY SPEC NR AND SPEC NAME	80 TELEVISION CENERATOR C		07 SIGNAL CENERATOR, SHF C	18 GENERATOR, SIGNAL, VHF	IN GENERATOR, SIGNAL, YHF	01 AUDIO OSCILLATOR		19 GENERATOR, SIGNAL FUNCTION	16 GENERATOR, SIGNAL, VHF	19 CENERATOR, SIGNAL FUNCTION	19 GENERATOR, SIGNAL FUNCTION	19 GEMERATOR, SIGNAL FUNCTION	22 SWEEP GENERATOR, UNF/VHF			04 GENERATUR.SIGNAL.PULSE						
FAN NR FSCH CODE	890 60008	28480 047	650	15196 106	16636 106	900	14140 051	21764 047	08775 047	28569 054	28569 054	28460 106	80063 047	24635 047	83563 047	80138 108	60136 050	28480 107	15196 050	60138 050	80138 050	80138 109
HFG MODEL	146NTSC	3312A				2490	658	180	ī	902333	802208	9090			5533	JAOA	STUARGOM	612A	_	w0105	570A	1000
INDEX THDE TYPE NUMBER 10 OFSIGNATOR	USE1135 ECA1 8400800	0040046 4122 5611330	U010099 4872 SG1145U	D010006 0A22 5G12U	DOIDOR ORZE SCIDARN	0010148 0824 SCI5PCH	0010111 0825 56200	0040017 0840 SG27AAU	U086015 0819 5G29AU	D040003 0442 56299BU	0040004 0441 \$62790	D010112 0843 SG309GAC47	D080011 0845 56721AU	DONDOOP ORSE \$6321BU	0080010 0844 563210	0060001 0447 567360	0020002 2576 561370	0010089 0849 SC140AC	0050019 0850 56143UPHISA	DO50018 0852 SG166AU	0050037 0951 SG166U	0060015 0851 \$64070

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PART II	ENER
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PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME	DISEA		015£8	NO15E8		03 SIGNAL GEMERATOR, HF 01 AUDIO DSCILLATOR		03 SIGNAL GEMERATOR, HF 01 AUDIO DSCILLATOR		20 SWEEP GENERATOR, HF 22 SWEEP GENERATUR, UHF/VHF			20 SWEEP GENERATOR, HF 22 SWEEP GENERATOR, UHF/VHF									22 "SWEEP GENERATOR, UHF/VHF	DISEA	20 SWEEP GENERATOR, HF
FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	SIGNAL GENERATOR, THER NOISEA	AUDIO OSCILLATOR	SIGNAL GENERATOR, THER NOISEB	SIGNAL GENERATOR, THER N	GENERATOR, SIGNAL, PULSE		AUDIO OSCILLATOR		AUDIO OSCILLATOR		AUDIO OSCILLATOR	AUDIG OSCILLATOR		AUDIO OSCILLATOR	GENERATOR, SIGNAL, PULSE	AUDIO OSCILLATOR	AUDIO OSCILLATOR	AUDIO OSCILLATOR	GENERATOR, SIGNAL, VHF	GENERATOR, SIGNAL, VHF	SIGNAL GENERATOR, SHF B		SIGNAL GENERATOR, THER MOISEA	
FAM FUP	055 13	00 900	91 550	055 14	050 04	150	006 01	150	006 01	901	000 01	10 900	250	10 400	50 04	10 900	10 900	10 900	106 18	106 18	05 1 06	109	61 550	25.
FSCH	11332	24655	24655 (24655 (06344	28480	28480	28480	28480	80138	28480	28480	01113	28480	36004 050	28480	28486	28480	00781	00781	24655 (23042	26480	80138 052
HFG HODEL NR	503	1107A	1 390A	11908	100720	606A	201C	606A	20481107	IFB66A	A50A	202CP	900B	202C	15502	2048	704807	704801	*114	16850	122045	#5 #0DPH	61474	866A
THDE TYPE ID OFSIGNATOR	1 564190	D010155 0826 SG42URH18	3 5645380	N SC45 3U	0050011 0A55 SC475APS94	D010101 0856 SC479CRM50	1 565100	1 565110	1 5654 140	1 565750	56578U	1 565900	1 565930	1 566210	0050040 0877 SG63AUPH10	5 SC612AU	7 5651280	1566120	DOIDIZE ORZB SC66ARMS	DOIDIZZ ORZ9 SGEBRARHS	366766	566770	266786	266418
INDEX THDE NUMBER ID	0020001 0884 SC419U	0155 082	D010127 1813 56453AU	0020004 4102 564530	50011005	10101 085	0010153 0857 565100	0010153 0854 565110	D010134 0859 56543AU	0060022 0861 SG575U	D010115 0A62 SG578U	D010108 3346 SG590U	0060030 0863 SC593 U	D010076 0864 5C621U	0040 045	0010074 0866 SC632AU	DOLOGIS 0867 SC512AU	D010073 0A65 \$C632U	10121 0826	10122 042	0010065 0868 566766	0040021 0969 566770	D020021 3541 SC67AG	0040003 0870 5641U

11157	SPECIFICATIONS
FERENCE	01S E1E
CROSS-RE	POSE THDE DTS ETE
THOE	PURPOSE
PART II	GENERAL

I NDE X NUMBER	THDE TYPE ID DESIG	TYPE DFS1GNATOR	HFG HODFL HR	FSCH	FAN COOE	FUND	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	PARI	PARTIALLY COMPATIBLE By Spec mr and Spec Mane	PATIBLE 10 SPEC H	AME
9100900	12 80	DO60016 0871 SCARRUSM219	SH2000	04423	052			22	SWEEP GEN SWEEP GEN	GEMERATOR. Generator,	UHF/VHF Shf
00500	0630	D050028 0810 SC69APML	212A	28480	050	5	GENERATOR, SIGNAL, PULSE				
00500	0818	D050029 0818 SCA9PM1	212A	28480	050	6	GENE RATOR . SI GNAL . PUL SE				
0010010	0833	D010070 0833 SG71AFCC	2334	28480	900	~	AUDIO OSCILLATOR				
1200100	9834	D010071 0A34 SG718FCC	2334	28480	900	10	AUDIO OSCILLATOR				
5700100	0835	DOIDONZ OANS SGNICFCC	061	67116	900	5	AUDIO OSCILLATOR				
6900100	0832	D010069 0832 SG71FCC	A113	28480	900	5	AUDIO OSCILLATOR				
0040005	1733	D040005 1711 SG715URM	86164	28480	640	12	SWEEP GENERATOR, SHF				
D080055 0872 SG747U	0872	56 74 70	3300A	28480	2 40	2	GENERATOR, SIGNAL FUNCTION				
0010120	0874	D010150 0874 5G743AU	652AH02	28480	900	10	AUDID OSCILLATOR				
D010149 0A73 5G763U	0.873	SG 76 3U	652A	28480	900	07	AUDIO DSCILLATOR				
D080057 OR75 SC769U	OR 75	SC 769U	111	23338	2 50	61	GENERATOR, SIGNAL FUNCTION				
D010023 0A76 SG770U	0876	367700	2414	26480	900	5	AUDIO OSCILLATOR				
0040002 0477 \$67726	0877	367726	1054001498	80008	054	<u>•</u>	GENERATOR, SIGNAL FUNCTION				
	1834	1834 SG827U		24655	966	=	SIGNAL GENERATOR, THER NOISEB				
D010125 1655 5G837U	1655	568370	17100	24655	106	5	AUDIO OSCILLATOR		•		
C033004 0879 56855U	0879	\$68550	19204	28480	160	2	DSCILLOSCOPE DUAL TRACE, DC100MM1				
0080066 0880 568670	0880	5 G B & 7 U	470A500	98329	901		GENERATOR.SIGNAL.VHF				
D060004 0A81 SCRBNU	1880	Scanu	511002	23042	109			2°	SWEEP GEN SWEEP GEN	GENERATOR. Generator.	UHF/VHF HF
0260019 0836 56920	96 90	0.5e3v	110A	90138	052			61 07 28	GENERATOR SWEEP GEN SWEEP GEN	TOR. SIGNAL F GENERATOR, HF GENERATOR, UH	GENERATOR, SIGNAL FUNCTION Sweep generator, HF Sweep generator, UHF/VHF
D080007 0882 \$6944U	2440	269440	4208	28480	053	0	SIGNAL GENERATOR, SHF C				
0010126 1616 567670	1676	\$69670	2010	28480	900			5	AUDIO OSCILLATOR	ILLATOR	
	4809	4809 SC968U	7118	28480	150	š	GENERATOR, SIGNAL, PULSE	6	CENERATOR	. SIGNAL	GENERATOR, SIGNAL FUNCTION
0010114 0983 569699	040	869698	608F	901 09482	901	•	GENERATOR, SIGNAL, WHF				

PART II THOE CROSS-REFERENCE LIST GENERAL PURPOSE THOE OTS ETE SPECIFICATIONS

06/25/80

PARTIALLY COMPATIBLE By Spec nr and Spec name	SIGNAL GENERATOR, UHF A											TRANSMISSION TEST SET														
4 %	15											70												,		
FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	16 GENERATOR, SIGNAL, UNF	19 GENERATOR, SIGNAL FUNCTION	22 SWEEP GENERATOR, UHF/VHF	18 GENERATOR, STGNAL, VIF	13 SIGNAL GENERATUR, THFR HOISEA	13 SIGNAL GENERATOR, THER HOISEA	01 AUDIO OSCILLATOR	01 AUDIO OSCILLATOR	21 SWEEP GENERATOR, SHF	21 SWEEP GENERATOR, SHF	13 SIGNAL GENERATOR, THER NOISEA	BI TRANSMISSION TEST SET	S? UNIVERSAL COUNTER IDC 10 500MH2)	SI OSCILLOSCOPE, OC-15HHZ	52 OSCILLOSCOPE, DUAL TRACE, DC100MH2	88 CABLE TEST SET (TOR)	S6 OSCILLOSCOPE, DC-500MIZ	S7 UNIVERSAL COUNTER (UC TO SOOMHZ)	S7 UNIVERSAL COUNTER (OC TO 500MHZ)	SB FREQUENCY COUNTERLIONZ TO 18CHZ)	19 GENERATOR, SIGNAL FUNCTION	S2 OSCILLOSCOPE, DUAL TRACE, DC100MH2	S? UNIVERSAL COUNTER LOC TO SOOMH21	S? UNIVERSAL COUNTER IDC TO SOOMH2)	S7 UNIVERSAL COUNTER (DC 10 500HH2)	S7 UNIVERSAL COUNTER 10C TO 500MH?)
FAM	107	7.	801	104	55	864	90	906	109	6	866	170	9 10	69	160	60	9 2	910	910	610	160	160	610	910	610	810
FSCH	28480	28480 047	01113 108	28480	28480 055	28480 998	06819 006	28480 006	03782	28480 049	28480 998	28480 071	28480	60000 080	80000 001	600 60008	80000 085	28480	26480	28480 019	30669 0	28480 0	28480 0	15356 0	04811	06611
MFG MADEL MR	4119	651801	109	32008	1414	14.74	FFS 3944	6518002	6310851	10H0F69	3458	15558	524 H	785 3AN11	7853A	2152	7111	5100A510LA	\$ 102A	5340A	74134	1421A	\$262A	16.1	101784FH	10378
THDE TYPE In of Signator	DOIDOII DAIF SCOFFRE	D010028 4089 \$6970U	0060034 0884 569720	0010010 0445 569750	DO20010 0886 \$4978U	0020010 0887 569790	DO10091 0898 SC981U	0010151 0889 569840	0060040 0890 SG987U	0060019 0891 SG990U	0010001 0471 SG996U	K090061 2357 14885U	C050051 0946 TD102AU	C033021 0947 ID10A5U	1542 TO1159U	C035002 3591 TD1160PU	C034002 3573 INITALU	G050020 2113 TD1209U	C050074 2215 T01211U	GOSOOS2 2240 TO1225VIU	0948 IDSOIJUSH	C033016 0949 FD5037USH509	6050008 4118 107850	6050046 0943 108748	G050013 0745 FDA75APU	C050014 0744 T0875FU
INDEX NUMBER	0010011	D010028	0 0 0 0 0 3 4	0100100	0100200	0020010	1600100	1510100	0000000	6100900	1000100	K090061	1500509	C033021	C033005	C035002	C034002	0200503	C050074	C050052	2100900	9101103	6090609	6050046	005001	C 050014

PART II THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE OTS FTE SPECIFICATIONS

INDEX	1 % DE	TYPE DFSIGNATOR	MFG MNDEL NR	FSCM	FAN	2 F	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec nr and Spec name	E NAME
K 100020	1128	K100020 1128 TS1060AGG	TOAZNB	96238 066	990	33	TELETYPE TEST SET ANALYZER	35 TELETYPE 1EST 5	SET
K 1 00010	1129	K100010 1129 1510606G	A S D 1 0 0 A	05729 066	990	33	TELETYPE TEST SET ANALYZER	35 TELFTYPE TEST	SET
K 100007	1127	K100007 1127 15106AGG	TDAZMR	96238	990	11	TELETYPE TEST SET ANALYZER	35 TELETYPE TEST !	SET
1100017	2113	L100012 1132 TS1100AU		93346	045	\$	SEMICONDUCTOR TEST SET		
L100011 1131 TS1100U	1131	TS1100U		94668 045	949	•	SEMICONDUCTOR TEST SFT		
£013055	1960	E013055 0961 TSILBAAP	110669	10998	040	7 9	WATTMETER, RF		
E013054 0960 TS119AP	0960	TSLLAAP	693	70998 040	040	19	WATTMETER, RF		
E011052 0962 TS125AP	2960	T\$125AP		82057 040	040			63 POWER METER, SHF	¥
£ 01 3 00 3	1136	E013003 1138 TS1285URM120	164F HN	94668	280	29	POWER HETER, RF IM-LINE		
K090041	1960	K090041 0961 TS140PCM	5487	11975	110	5	TRANSHISSION TEST SET	82 TRANSMISSION TEST	EST SET
	9110	0915 TS14AUP	R1398	91820 062	290	6	SPECTRUM AMALYZER. RF		
F060006 0952 TS15CAP	2560	TSISCAP	105		120	6	GAUSS HETER		
K 100012	1111	K100012 1141 TSI512,A.8GGM	DDSBACV	96238	190	*	TELETYPE TEST SET GEMERATOR	35 TELETYPE TEST SET	SET
2100500	6760	D050012 0973 FS155AUP		80034	053			05 SIGNAL GENERATOR, SHF OF GENERATOR, SHF OF SHE	DR. SHF A NL.PULSE
D050013 0974 FS155RUP	0974	TS155RUP		28480 053	053			05 SIGNAL GENERATOR, SHF OF GENERATOR, SIGNAL, PULSE	DR. SHF A AL.PULSE
0050014	5760	0050014 09 <i>7</i> 5 TS155FUP	35x10 <i>1</i>	89194 053	053			OS SIGNAL GENERATOR, SHF O4 GENERATOR, SIGNAL, PULSE	DR. SHF A AL,PULSE
F012018 0980 F5181AU	0460	TSIBIAU		81538 032	032	88	MULTINETER, DIGITAL HANDHELD		
EOLZOL9 09AL TSIRIBU	1860	1518380		74096	280	9 2	MULTIMETER, DIGITAL HANDHELD		
E012017 0979 TS183U	6/60	1518 30			210	9 7	MULTIMETER, DIGITAL HANDHELD		
C040001	4773	C040001 4773 TS1870AU	302A	28480	075			65 SPECIRUM AMALYZER, 66 SPECIRUM AMALYZER,	AMALYZER, LOW FRLO AMALYZER, BASEBAND
C040056	1167	C040056 1167 TSIR100U	302AP	28480	050			65 SPECTRUM AMALYZER. 66_ SPECTRUM AMALYZER.	TER, LUW FREG Ter, baseband
L 100018	1169	L100018 1169 751836AU	2190	24624 045	645	*	SEMICONDUCTOR TEST SET		
1 100006	1170	L100006 1170 TS18368U	245HF	24624 045	045	*	SEMICONDUCTOR TEST SFT		

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I THDE CROSS-REFERENCE LIST	SPECIFICAT
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TMDE CR	PURPOSE
PART II	GENERAL

				¥ 9	PART 11 GENERAL	T MDE P UR P (THDE CROSS-REFERENCE LIST Purpose thde ots ete specifications		06/25/80
INDEX	TMDE TYPE 10 OFSIC	TYPE OF SICNATOR	MFG HODEL MR	FSCH	FAN COOF	FUNC I	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC MAME	PARTI BY SP	PARTIALLY COMPATIBLE By Spec nr and Spec Hame
L 100007	1171	100007 1171 1518346U		34639 (510	* *	SEMICONDUCTOR TEST SET		
1 100011	3716	100021 3716 1518360U	902501	28569	945	*	SEMICONDUCTOR TEST SET		
L100008 1168 TS1836U	1168	1518360	8612	94668	045	*	SEMICONDUCTOR TEST SET		
6032002	2460	6032002 09A2 TS186DUP		21900	070			18 F	FREQUENCY METER B FREQUENCY METER C FREQUENCY METER F FREQUENCY METER G
6032003	6483	6032003 0983 ISI86FUP	31.70	37093	020			525	FREQUENCY NETER B FREQUENCY NETER C FREQUENCY NETER F FREQUENCY NETER G
6032004	0.00	6032004 0784 ISIBAFUP	17373170	51865	050			52 5	FREGUENCY METER B FREGUENCY METER C FREGUENCY METER F FREGUENCY METER G
E 040058	1111	:040028 3737 TS1871FPN	ICAI	10190	090	9	SPECTRUM ANALYZER, BASEBAND		
X 100016	4036	K100016 4016 IS2A.BIG			990	35	TELETYPE TEST SET	3,4	TELETYPE TEST SET GENERATUR
C033016 0750 TS2ATG	0950	152816			966	*	TELETYPE TEST SET GENERATOR		
K100017 0951 152CTG	1560	152016	5008	11666	190	35	TELETYPE TEST SET	*	TELETYPE TEST SET GENERATOR
1 100005	111	100005 1141 152086U	1122	14558	940	5	SEMICONDUCTOR TEST SET		
K100015 11A7 15225G	1187	1522556	2112	80257	190	<u> </u>	TELETYPE TEST SET GENERATOR	15	TELETYPE TEST SET
KIDDO19 11A8 TS255G	9611	1522566	01403	14031	990	13	TELETYPE TEST SET ANALYZER	35	TELETYPE TEST SET
1100103	7611	C040011 1172 T52333USM	31.04	28480	090	99	SPECTRUM ANALYTER, BASEBAND		
KOA0004 1173 522793C	1193	f52393G	DAC 7	96238	990	33	TELETYPE TEST SET ANALYZER	35	TELETYPE TEST SET
200002 1194 1523946	1194	1523946	33148	28480	110	:	DISTORTION ANALYZER		
K 0 7 3 0 7 7	13	K073077 1146 TS2375AG	1404	94668	910	23	ENVELOPE DELAY TEST SET	1 29	TRANSMISSION TEST SET
K073076 1195 152195G	1195	1521956	3408	94668	910	75	ENVELOPE DELAY TEST SET	~	FRANSHISSION TEST SET
K073023 1197 152436G	1197	1524 366	142A	28480	033	2	SIGNAL GENERATOR, THER MOISEA	•	
	1176	1176 TS257ARW			032	2.8	MULTIMETER, DÍGITAL MANDMELD		
K 0 70044	0954	KO70044 0754 TS26ATSM	121956	35066 (032	82	MULTIMETER, DIGITAL HAMBHELD	£ 52	MULTIMETER, DIGITAL

PARTIALLY COMPATIBLE By Spec mr and Spec mame	29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL			82 TRANSMISSION TEST SET	82 IRANSMISSIOM TEST SET								73 DIAL EQUIPMENT TEST SET 26 MULTIMETER, DIGITAL HANDHELD 61 TRANSMISSION TEST SET	73 DIAL EQUIPMENT TEST SET 20 MULTIMETER, DIGITAL HANDHELD 01 TRANSHISSION TEST SET	73 DIAL COUIPMENT TEST SET 20 MULTIMETER, DIGITAL MANDHELD 81 TRANSMISSION TEST SET	70 VOLINGTER, FREQUENCY SELECTIVE 86 VOICE BAND AMALYZER 66 SPECTRUM AMALYZER, BASEBAND 54 SIGNAL GENERATOR, TRACKING	29 MULTIMETER, DIGITAL 41 VOLIMETER, AC TRUE RMS	71 AUDIO SYSTEM TEST SET		
FUNCTIONALLY COMPATIBLE By Spec MR and Spec Mame	28 MULTIMETER, DIGITAL HANDMELD	28 MULTINETER, DIGITAL HANDHELD	61 MATTMETER, RF	61 WATTMETER, RF	75 ENVELOPE DELAY 1EST SET	75 ENVELOPE DELAY TEST SET	87 AUDIO INTENSITY METER	94 SEMICONDUCTOR TEST SET				·	38 VOLTMETER, DIFFERENTIAL		28 MULTIMETER, DIGITAL HANDHELD	29 MULTIMETER, DIGITAL					
FAN COOF	210	032	0+0	000	910	910	+ 00	949	045	045	045	045	949	032	032	26	011	121	211	260	261
FSCH	88562 (31713 (96601	96602	03860	03860	90040	60077	80077	74096	82854 (94518 (80077 (•	00798	64959 032	94668 1	1 96568	22915	19652	19397 032
MFG MODEL NR F	•	3240	4110070	4110000	4908	490A	22821 5	C11603A 8	C11403A 8	~	3105	15268 9	THM 1 ORL 8	713003	FT5278 0	0166237 6	305	88348	09616900601A 2	•	1 10000151
INDEX THDE TYPE Mumber id Ofsignator	K090043 0455 T526ATSH	K090042 0953 152615N	K673072 1290 T52609AU	K073071 1197 TS2609U	K090009 1207 T52669AGCM	K090008 1206 1524696CM	KO73031 1298 TS2677FRM	L010006 0949 15268AU	L010007 0990 TS2688J	L010008 5991 T5268CU	L010009 0992 T5266DU	L010010 0993 F5268FU	1.010005 0788 TS26AU	KO90056 0957 TSZZATSM	KO90055 0958 TS278TSM	K090057 0756 T527T5H	KO50009 2411 552721U	1210 1528430	KO20016 1212 TS2A54A5H23	E012013 3711 FS287GM	A033017 1713 TS2A94ALH70A

PART 11 THDE CROSS-REFERENCE LIST General Purpose Thde OTS ete specifications

INDEX TO	TMDE TYPE 10 of Signator	MFG MADEL NR	FSCH	FAN CODE	FUNC	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	7 7 8	PARTIALLY COMPAYIBLE By Spec nr and Spec Mane
A041044 0'	AB41044 B994 TS297U		7140	932	92	MULTIMETER, DIGITAL HANDHELD	67	HULTIMETER, DIGITAL
,1 1007103	C012001 1518 TS3012U	135	28480 089	690			8	X-Y RECORDER
1 9200403	C040076 1220 TS3066Y2U	1124	28480	011			2	VOLTMETER, FREQUENCY SELECTIVE
C040086 3	C040086 1541 TS1066VJU	3128	26480	110			2	VOLIMETER, FREQUENCY SELECTIVE
0 600000	D010039 0995 TS312AFSH1	200CDR	28480 006	400	5	AUDIO OSCILLATOR		
0010040 0,	D010040 0996 TS312RFSH1	20200	01486	900	5	AUDIO OSCILLATOR		
0010030 0,	D010030 0997 FS312FSH1	200CR	28480	900	5	AUDIO OSCILLATOR		
C00400	C040033 1222 TS3150V	RTASUR3	03782	090	\$	SPECTRUM AMALYZER, BASEBAND		
КО90082 1	K090082 1223 [5]157U	TTSAMIRV	95104	170			73	TRANSMISSION TEST SET DIAL EQUIPMENT TEST SET
•	3352 TS3L70AU	3608	94668	090	\$	SPECTRUM ANALYZER, BASEBAND		
K050005 1	KO50005 1225 TS3171U	TTS37B	06819	120	=	TRANSMISSION TEST SET	85	TRANSMISSION TEST SET
0000000	D080056 1226 153176USH373	TTS26A	06819	122	22	DIAL EQUIPMENT TEST SET		
K090002 1.	K090002 1227 153178U	194002020	64629	122			23	DIAL EQUIPMENT TEST SET
A033014 1.	A033014 1228 FS3187U	41064	28480	600				CABLE TEST SET (TOR)
A031027 1	A031027 1237 153221U	63220	07239	035	31	CHMMETER, EARTH TESTER		
C040026 1,	CO40026 1238 TS3237U	125	11690	190		SPECTRUM ANALYZER, RF		
1 9100509	URLSTS 1219 160505	615350	11990	810	2.3	UNIVERSAL COUNTER INC TO SOONHZD		
K090014 1	HO90014 1241 153329U	236A	28480	900	5	AUDIO OSCILLATOR		
.2 \$10090X	KOBOO15 2361 TS1378G	DHS 101A	96238	990	33	TELETYPE TEST SET ANALYZER	35	TELETYPE TEST SEF
A013002 0	A013002 0998 TS14AU	192097	26059	920	62	MULTIMETER, DIGITAL		
K090007 1,	K090007 1242 TS140ITSC38B	5770871	49956	900	5	AUDIO OSCILLATOR		
.2 990060X	K090068 2190 IS147AU	1200	\$0\$72	013	~	DATA ERRUR TEST SET		
1 6900403	CO40069 1615 TS1483U	115400	06819	071	=	TRANSHISSION TEST SET	~	JRANSMISSION TEST SET
4041015 1	A041015 1000 TS3528U		12211	210	9 2	NULTIMETER, DIGITAL MANDMELD	62	MULTIMETER, DIGITAL
0 +101+0V	A041014 0779 15352U	216	26059	032	9.2	MILTIMETER, DIGITAL HANDMELD	67	MULTIMETER, DIGITAL

PART 11 THDE CROSS-REFERÊNCE LIST GENERAL PURPUSE THDE OTS ETE SPECIFICATIONS

				9	NERAL 1	GENERAL PURPUSE THDE OTS ETE SPECIFICATIONS	AT I ONS		
INDEX NUMBER	130£	TNDE TYPE ID DESIGNATOR	HFG HODEL NR	FSCH	FAH COOF	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	4 5	PARTIALLY CONPATIBLE By Spec mr and Spec mame	
C 0 4 0 0 9 5	\$109	5109 153545U	2010/2	25100	1 90		99	SPECIRUM ANALYZER, RF	
E 01 3061		4010 753546U	4408	11332		6) POWER HETER, SHF			
A033019	1412	A033019 1412 TS3606VLU	4910£	28480 009	600		8	CARLE TEST SET (TDR)	
2900103	1670	1670 TS362AV1U	3580A	28480 059		65 SPECTRUM ANALYZER, LOW FRE	9		
K090081		2345 7535290	7078	27364 122		73 DIAL EQUIPMENT TEST SET		-	
	4657	4657 1536410	7007	91417 013		72 DATA ERROR TEST SET			
C050033		4893 1536620	5328AH42	28480	810	S7 UNIVERSAL COUNTER IDC TO 500HH2)	\$00MH23		
8022022	1 + 68	8022022 14A8 TS3792U	3575A	28480	038	60 PHASE NETER			
	1172	15 38 00			260	28 MULTIMETER, DIGITAL HANDHELD	61.0		
0010041	7001	1002 TS382AU	2002	99872	900	OI AUDIO OSCILLATOR			
0010042		1003 TS382AU			900	01 AUDIO OSCILLATOR			
0010043	1001	D010043 1004 T5382CU		21866	900	OL AUDIO OSCILLATOR			
0010044	1005	D010044 1005 T\$382DU		78796 006		OI AUDIO OSCILLATOR			
5100100	9001	D010045 1006 TS382EU		92028	900	O1 AUDIO OSCILLATOR			
0010046	4040	D010046 4090 15382FU			900	OI AUDIO OSCILLATOR			
2200100	1001	USRL 75 18 2 U	2005	28480	900	OI AUDIO OSCILLATOR			
K 100022	1004	K100022 1008 15383AGG	DXD40TS	59433 066		33 TELETYPE TEST SET ANALYZER	R 35	TELETYPE TEST SET	
K 100013		1009 1514 1466	8X04HU26	\$9433	990	33 TELETYPE TEST SET ANALYZER	R 35	TELETYPE TEST SET	
K 100021	1001	K100021 1007 153836C	DXD4	59433 066		3) TELETYPE TEST SET ANALYZER	R 35	TELETYPE TEST SET	
2000000	1010	D000002 1010 TS403AU	6164	28480	053	05 SIGNAL GENERATOR. SHF A	~1	SIGNAL GENERATOR, SHF H	
000000	101	D080003 1011 75403RU	9001015100	24211	201	OS SIGNAL GENERATOR, SHF A	21	SIGNAL GENERATOR, SHF H	
C030034 1152 1541.RU	1152	1541.80		10640	101		9	GENETATOR, SIGNAL, UHF Generator, Signal, vhf	
DOADOGO 1012 TS419U	1012	154190	H12		101	16 GEMERATOR, SIGNAL, UNF	14	SIGNAL GENERATOR, UHF A Signal Generator, SHF A	
K090051	101	1014 75420AU	245	64959 006	900		10	AUDIO PSCILLATOR	
K 090050	1015	K090050 1015 15420BU	746	64959 006	900		5	AUDIO OSCILLATOR	

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I THDE CRO	100
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PART II	CFRE

				;		. OAT USE 1806 USS 1816 STEEL	STEEL	
I NDE X NUMBER	100	TMDF TYPE ID DFSIGNATOR	MFG NODEL NR	FSCM	FAM	FUNCTIONALLY COMPATIBLE By Spec nr and Spec name		PARTIALLY COMPATIBLE By Spec nr and Spec name
K090049 1013 15420U	5	154200	74A	64959	900		10	AUDIU OSCILLATOR
0010033	1017	D010013 1017 15421AU	205AGH02	28480 006	900	01 AUDIG OSCILLATOR		
0010034	1018	D010034 1018 TS4218U	2975H	58569	900	O1 AUDIO DSCILLATOR		
0010035	1019	0010035 1019 75421CU	F 370A	29805	900	OL AUDIO OSCILLATOR		
D010032 1016 15421U	9101	154210	205AG	28480	900	O1 AUDIO OSCILLATOR		
A012026 1021 75443U	1021	154430	-	65092	110	29 MULTINETER, DIGITAL		
000000	1024	D060007 1024 TS452AU		34184	901	20 SWEEP GENERATOR, HF		
0000000	1025	DO60008 1025 154528U		36004 106	106	20 SHEEP GENERATOR, HF		
0000000	9201	0060009 1026 15452CU		36004	901	20 SWEEP GENERATOR, 11F		
D060010 1027 15452DV	1021	1545200		36004	901	20 SWEEP GENERATOR, HF		
1100900	1028	D060011 102A TS452FU			106	20 SWEEP GENERATOR, HF		
DO40006 1023 TS452U	1023	154520		50304	901	20 SWEEP GENERATOR, HF		
0010036	26 0 1	DOIDO16 1032 TS497AURR			901	18 GENERATOR.SIGNAL, VHF	21	SIGNAL GENERATOR, VHF A
0010038	1034	D010038 1034 T5497CURR	SHB 3 34504	04423	106	18 GENERATOR, SIGNAL, VHF	2 2	SIGNAL GENERATOR, VHF A
0010024	1031	D010029 1031 TS497URR	608C	28480	901	18 GENERATOR.SIGNAL, VHF	11	SIGNAL GENERATOR, VHF A
A043026	10 36	A043028 1036 T5505AU	Pt.3000	1221	210		29	MULTIMETER, DIGITAL MULTIMETER, DIGITAL MANDHE VOLTMETER, RF
A043U27 1037 75505RU	1037	75505RU	011700	94066	032		5 0 0 4 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0	MULTIMETER, DIGITAL MULTIMETER, DIGITAL HANDHE VOLTHETER, RF
A043026 103A 75505CU	1018	75505CV			200		2	MULTIMETER, DIGITAL MULTIMETER, DIGITAL HANDHEI VOLTMETER, RF
A043025 1019 15505NU	1039	1550500			260		5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	MULTIMETER, DIGITAL HULTIMETER, DIGITAL HANDHEI VOLTMETER, RF
A043030 1040 T5505EU	1040		EAD197129	18520	2(0		622	MULTIMETER, DIGITAL HULTIMETER, DIGITAL HANDHEI VOLTMETER, RF
A043029 1035 15505U	1015		621	J	21.0		62	MULTIMETER, DIGITAL

	SPECIFICATIONS
NCE	ETE
FER	015
THOE CROSS-REFERENCE	TMDE
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PART 11	CENE

INDE X NUMBER	THOE TYPE TO DESIG	TYPE DFS1GNATOR	NFG HODEL NR	FSCH	FAN	FUNC PY S	FUNCTIONALLY COMPATIBLE PARTI BY SPEC NR AND SPEC NAME 3V SP	PARTIALLY COMPATIBLE 3V SPEC NR AND SPEC NAME
							907	HULTIMETER, DIGITAL HANDHELD VOLIMETER, RF
K090025	1045	K090025 1045 FS559AFT	2909	14140 071	11.0	=	TRANSMISSION TEST SET 62 T	TRANSMISSION TEST SET
8693026	1046	K093026 1046 15559AFT	348	14140	110	=	TRANSMISSION TEST SET 82 T	TRANSMISSION TEST SET
K090027	1047	K090027 1047 15559EFT	340	14140	170	=	TRANSMISSION TEST SET 82 T	FRANSMISSION TEST SET
K090028	0734	K090028 0714 TS5590FT	133515559	51865	110	10	TRANSMISSION TEST SET 62 F	FRANSMISSION TEST SET
K090059	1049	K090029 1049 15559FFT	20203A	13175	170	=	TRANSMISSION TEST SET 82 T	IRANSMISSION TEST SET
K090024 1044 TS559FT	1044	15559F1	24	64959 071	170	10	TRANSHISSION TEST SET 02 T	FRANSMISSION TEST SET
X090013	1050	K090013 1050 15563AF J	9144	64629	003	62	MULTIMETER, DIGITAL	
K090046 1051 15569F1	1021	15569F1	30A	64629	110	=	TRANSMISSION TEST SET 82 T	TRANSMISSION TEST SET
	3637	1637 TSSB3AU	E136204	35225 998	966	6	GENERATOR, SIGNAL FUNCTION	
	36 36	1636 155810	210A	28480	966	6	GENERATOR, SIGNAL FUNCTION	
0020020	1059	0050050 1059 TS592AUPN15	A51018	68585	050	5	GENERATOR, SIGNAL, PULSE	
0050051	1058	D050051 1058 T5592UPN15	382663F		050	5	GENERATOR, SIGNAL, PULSE	
C012004	3558	C012004 3558 TS611CFG	GA11672	64629	866	33	TELETYPE TEST SET ANALYZER	
C040061 1041 FS615AU	1001	TS615AU	300A	28480 059	050	5	SPECTRUM ANALYZER, LOW FREG	
C040063 1062 TS615AU	1962	156158U	300A	28480 059	050	Ş	SPECTRUM AMALYZER, LOW FRED	
C040017 1060 TSA15U	1060	156150	736A	24655	650	65	SPECTRUM ANALY/ER, LOW FRED	
8023002 1064 TSAL7BU	1064	TSAL 78U	15617	51865	250	6	O-METER	
8023003 1045 TS617CU	1065	1561700		51865	240	6	O-METER	
8023001 1063 155170	1063	155170	1604	10640	240	93	O-NETEP	
D080053 1073 FS622AU	1073	TSh.2.2AU	11500500	11327	790	Ę	SPECTRUM AMALYZER, RF	
0080054 1866 156220	1066	156220	15921	94486	790	9	SPECTRUM ANALYZER, RF	
K020002	1069	KO20002 1069 TS529AU		50304	900	8	TRANSHISSION TEST SET	
K02003	37.16	KO20003 3736 TS629RU		14140	900	=	TRANSMISSION TEST SET	
K020004	1070	K020004 1070 15429EU		53527	500	-	TRANSMISSION TEST SET	
K020005 1071 FS629DU	1071	1562900	18924	14140 005	900	.	TRANSMISSION TEST SET	

PART II INDE CROSS-REFERENCE LIST General purpose Inde OTS ete specifications

L15T	SPECIFICATIONS
FERENCE	OTS ETE
055-RE	THOE
THOE CR	AL PURPOSE TMOE OTS ETE SPE
PART II	GENERAL

•	PARTIALLY COMPATIBLE By Spec nr and Spec Hame	35 TELETYPE TEST SET	35 TELETYPE TEST SET	32 TACHONETER ELECTRONSC					·					56 HICRDHAVE LINK ANALYZER	30 DHINETER	26 INSULATION, TEST SET 28 MULTIMETER, DIGITAL MANDMELD								•		
	BY SPEC NR AND SPEC NAME	TELETYPE TEST SET ANALYZER	TELETYPE TEST SET ANALYZER		TUBE TESTER	TUBE TESTER	TUBE TESTER	TUBE TESTER	TURE TESTER	TUBE TESTER	TUBE TESTER	TUBE TESTER	TUBE TESTER				DHMMETER, EARTH TESTFR	MULTIMETER, DIGITAL	MULTIMETER, DIGITAL	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL	RRIDGE. UNIVERSAL	INSULATION, TEST SET	INSULATION, TEST SET	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL
!			33		36	36	36	36	36	36	36	36	9	_			=	53	53	\$2	\$2	52	92	92	52	52
	FAN	990 8	990 8	111 11	9 072	9 072	072	072	072	1 072	220 0.	00641 072	28569 072	28480 030	1 035	3 025	8 035	032	0 032	900	9 00 6	9 008	66150 025	66150 025	11269 011	54294 011
	FSCN	96238	96238	84997	95199	82199				60741	86270	900	2856	2848	87991	19203	83298		19200		12019	13259	6615	6615	1756	545
	NFG HODEL NR		FDA2	F 5000	K200	K 100					602			3710A								712	\$61000	A98400020		
	INDEX THUE TYPE NUMBER ID DESIGNATOR	K100025 1120 TS917AGG	K100013 1119 1591766	L140004 1257 TTU27F	L150034 1266 TV13AU	E.150033 1245 TV13U	L150028 1259 TV2AU	L150029 1260 TV28U	L150030 1261 TV2CU	L150027 1258 TV2U	L150020 1262 TVAU	L150023 1264 TV76U	L150024 1263 TV7U	C040073 1674 F1353VIU	A031038 4770 T278	A011004 0919 14200	A031039 4771 1449	A033024 4055 XM9L	A033021 4054 XM92	8021011 1277 7M11AU	B021012 1278 74118U	8021010 1276 7H11U	A032020 1280 7M21AU	A032021 1281 7M218U	8021004 1772 THIAU	8021003 1771 7M3U

1511	SPECIFICATIONS
NCE.	ETE
FERE	975
155-RE	1406
MOE CRO	PURPOSE THOE OTS ETE
PART	GENERAL

PARTIALLY COMPATIBLE By Spec nr and Spec name				HULTIMETER, DIGITAL MANDHELD Onnheter Necohmyeter								AMRETER, AC, CLAMP—BM Multimeter, digital Handheld	ANNETER, AC, CLANP-UN	AMMETER, AC, CLAMP-UN					BICALL DERAPHIC RECURDER B			CENERATOR. SHF G	L GENERATOR, WF	
IALLY SPEC NR				hul tineter, Ohnneter Hegohmeter								ARME TI	ANNE 1	AMME LI					05C PE			SICHAL	SICHAL	
PARI BY S				28 30 27								23	23	73					2 6			ī	õ	
FUNCTIONALLY COMPATIBLE By Spec nr and Spec mane	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL		BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL	BRIDGE. UNIVERSAL	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL	VECTOR INPEDANCE NETER A				SHEEP GENERATOR, SHF	MULTINETER, DIGITAL HANDHELD	AMMETER, AC, CLAMP-GM	MODULATION NETER	OSCILLDGRAPHIC RECORDER A	ANNETER, AC, CLANP-ON	SIGNAL GENERATOR. SHF G		GENERATUR, STGNAL, VIF	
F UNC	52	\$2	52		52	52	\$2	52	52	52	8				23	92	23	15	*	23	-		~	
FAN	900	900	900	035	800	800	866	800	800	800	073	100	700	200	6+0	906	966	866	866	700	053	053	106	
FSCH	66150	66150	31922	12250	28480	88869	24655	24655	11837	28480 008	28480 073	13648	03927 002	24446 002	03782	0440	91510	15196 998	12264	13648	11327	1337	94486 106	
MFG MODEL NR	30121	4100	5 300	(RO)	2508	D\$B\$C+R	16509702	16509701	250DE	476GA	4800A	VC1	44.4	***	AL 650	APF1292	F 44	ARIC	A460400C	A	4661159	A 7006	AC 1763	
THUE TYPE FO DFSICHATUR	AD31021 1274 IH4AU	A031022 1275 7H4RU	A031026 1273 7#10	4033002 12A2 /M54W	0021008 1284 7M61U	L130001 1245 IMGBU	1631 PR69A	3630 74690	8021009 1286 7M70U	8022018 17R7 1M71U	8022015 1489 74740	651	56	.83	111	91;	176	861	140	111		94.	640	
	21 12	21 22	20 12	21 20	21 80	01 12	36	ž	21 60	21 81	115 14	A042011 4059	A042014 3688	A042015 1687	0040042 4111	4090059 2416	A013013 1976	8610120 1548	COZO001 1541	A020028 1977	C031004 3747	A456 P000100	Kn71090 7349	
I NDE X NUMBE R	A0310.	A0310	A0310.	40330	B 0 2 1 0	1,1300			80210	00220	80220	A 0420	A 0420	A 0 4 2 0	00400	40400	A 0 1 3 G	10100	00200	A 0 2 0 0	01100	00100	K 6 7 3 6	

			PART II General		THDE CROSS-REFERENCE LIST Purpose thde ots ete specifications	06/25/80
I NDE X NUMBER	TADE TYPE ID DESIGNATOR	MFG MODEL NR	FSCM CODE		FUNCTIONALLY COMPATIBLE RY SPEC NR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec nr and Spec name
A031033 1290	1 2 9 0	RH819A	98869 035			30 DHMMETER 31 DHMMETER, EARTH TESTER
A032011	1288	82500	970 97400			30 OHMMETER 31 CHMMETER, EARTH TESTER
0020030	1526	878	06692 050	6	GENERATOR . SIGNAL . PULSE	
0050030 3252	3252	R78482	13327 998			41 VOLIMETER, AC TRUE RMS
C032022 1803	1903	67 H	22336 998	6	GAUSS METER	
6053009 5125	5125	16891	11613 117			32 TACHUMETER ELECTRUNIC
0020008 2681	2681	v	55719 117	32	TACHOMETER ELECTRONIC	
0023013 3745	3745	02120	82386 025			20 MULTIMETER, DIGITAL MANDHELO 26 INSULATION, 1EST SET 27 MECOHMMETER
(00000) 404	1604	CFJ	26193 031	25	HODULATION METER	
£ 0 2 0 0 0 3	411)	CFIN	82199 043	\$	FIELD STRENGTH METER D	
A042015	3690	CH7	13688 998			28 MULTIMETER, DIGITAL MANDHELD 29 MULTIMETER, DIGITAL 23 AMHETER, AC, CLAMP-OM
6032044 1808	1808	CL400	14704 998	4.7	FREQUENCY METER A	
K 0 70 0 8 8	4915	CHC 714XY	27634 122			73 DIAL EQUIPMENT TEST SET
6032044 1809	6081	CPMSOO	91161 998	45	CALORINETER	
5200900	4110	CP932B	80138 052			20 SWEEP GENERATOR, HF 22 SWEEP GENERATOR, UNF/VHF
A033006 1293	1621	(1)	31989 118			28 MULTIMETER, DIGITAL HANDHELD
0010093 3264	3264	CVOLOOPH	65092 006	0	AUDIO OSCILLATOR	
5921 5000100	1265	CK 7006	17327 053	~	SIGNAL GENERATOR, SHF H	05 SIGNAL GENERATOR, SHF A 06 SIGNAL GENERATOR, SHF B
1150008 253	2537	19153	32385 072			36 TUBE TESTER
6032044 1407	1907	C+108	000550	53	FREQUENCY METER G	,
K080016 4408	4408	DA404	96238 066	33	TELETYPE TEST SET ANALYZER	
K073090 2350	2350	DA404A	96238 978	33	TELETYPE TEST SET ANALYZER	35 IELFTYPE TEST SET

PART II THDE CROSS-REFERENCE LIST GENERAL PURPUSE THDE OTS ETE SPECIFICATIONS

x year	30	TYPE DFSJGNATOR	MFG MODEL NR	FSCM	FAN	FUNC BY S	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec nr and Spec name
905200 8 1546	1546		DA410	65092	037	82	PHASE JITTER NETER	
1011066 2654	2654		DCHI	03782	7.70			28 MULTIMETER, DIGITAL HANDHELD
2050086 4143	1113		DC502	610 60008	610	28	FREQUENCY COUNTERLIGHZ TO 18GHZ)	
5050083 4142	7114		00.201	810 60009	910	23	UNIVERSAL COUNTER (DC TO 500MH2)	
5050081 4141	;		DC505A	80009	910	27	UNIVERSAL COUNTER (DC TO 500MHZ)	
050080 4140	4140		10500	80008	910	23	UNIVERSAL COUNTER (DC TO 500HHZ)	
1041063 3747	3747		04501	80009 032	032	62	MULTIMETER, DIGITAL	
1941044 4057	4057		DH502	80009 032	032			29 MULTIMETER, DIGITAL 41 VOLTMETER, AC TRUE RHS
1042015 3702	3702		luc	966 55250	966	62	MULTIMETER, DIGITAL	
1031014 1980	0861		DF170	58569	800	\$2	BRIDGE, UNIVERSAL	
	1961		DY2401AH19	10490	866	62	MULTIMETER, DIGITAL	
:050036 2143	2143		DY2501	30534	810	23	UNIVERSAL COUNTER (DC TO SOOMHZ)	
020005 1545	1545		075	80009	160	25	DSCILLUSCOPE, DUAL TRACE, DC100MHZ	
1010004 2539	61 57		080795	111 21211	111			97 VIBRATION TEST SET
1013029 1983	1983		ELECCI	32590 076	920	62	MULTIMETER, DIGITAL	
2512 5200703	2312		FHA910	66669 043	043	\$	FIELD STRENGTH METER D	45 FIELD STRENGTH METER C
1043049 1797	1621		E SIME X	66869 077	077			26 INSULATION, TEST SET
6921. 0101101	1921		ESV	32590 076	920	62	MULTIMETER, DIGITAL	
2505 6747.01	404		£1000	07239 008	900	52	BRIDGE, UNIVERSAL	
1925 . 9 3267	3267		F1007	005339 008	900	52	BRIDGE, UNIVERSAL	
.011013 4848	4949		E1140T	98456	936			92 OSCILLOGRAPHIC RECORDER B
7961 6706101	1942		F 106 F	07239 008	900			25 BRIDGE, UNIVERSAL
1031025 1295	1295		F 310A	005339 008	900	52	BRIDGE, UNIVERSAL	,
4043037 12º6	9621		E950081400	15361	210	62	MULTIMETER, DIGITAL	
3080074 4117	1111		F 6501	80009 047	041	61	GENERATOR, SIGNAL FUNCTION	

6032043 1422	L150013 2547	A032028 1299	L150013 2548	K070086 4713	K973016 2388	6032031 1621	C032016 1548	0080045 1908	60)2019 1816	0020004 1907	6020004 1815	A030002 4050	8627 420210V	6032059 3270	P070071 3068	0080076 1812	D010017 1599	L030016 4415	0000076 1013	0080087 4123	0070061 4114	INDEX THDE TYPE NUMBER ID DESIGNATOR
X + 10 h	7 7	K\$5040	K\$15750L2	1287050	J79902C1L1902C	J532A	1004105141	10112	H5 30 A	H347A	#2	1884	HD152XC	G532A	6518209	FSSA	FSIA	FSISAMI	FH7	FG504T	FG50)	MFG MODEL NR
00929 020		92656 998	28569 978	94156	64959 978	28480 020	15859 089	03792 047	28480	28480	08151 117	55853 015		28480 020	88600	07421 047	07421 006	80009 032		80009 047	80009	FSCM
020	072	9998	978	122	978	020	089	047	020	055	117	035	025	020	054	047	900	032	3	047	0,7	FAH CODE
55		24	36		72	53	15	19	53	=	32		26	53	3	7					19	A A B
FREQUENCY METER I		INSULATION, TEST SET	TUBE TESTER		DATA ERROR TEST SET	FREQUENCY METER G	OSCILLOSCOPE, DC-15MHZ	GENERATOR, SIGNAL FUNCTION	FREQUENCY METER G	SIGNAL GENERATOR, THER NOISEA	TACHOMETER ELECTRONIC		INSULATION, TEST SET	FREQUENCY HETER G	GENERATOR. SIGNAL FUNCTION	GENERATOR. SIGNAL FUNCTION					GENERATOR. SIGNAL FUNCTION	FUNCTIONALLY COMPATIBLE
	248			73								J 0					92	29	\$50 \$10 \$10	19		PARTIAL BY SPE
	INSULATION, TEST SET SENICONDUCTOR TEST SET MOLITIMETER, DIGITAL HANDHELD			DIAL EQUIPMENT TEST SET								OHMMETER					AUDIO OSCILLATOR Signal Generator, HF	GENERATOR, SIGNAL FUNCTION MULTIMETER, DIGITAL	FREQUENCY METER O FREQUENCY METER O FREQUENCY METER O	GENERATOR, SIGNAL FUNCTION GENERATOR, SIGNAL, PULSE		PARTIALLY COMPATIBLE BY SPEC MR AND SPEC MAME

PART II THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS

PARTIALLY COMPATIBLE BY SPEC NR AND SPEC MAME		08 SIGNAL GENERATOR, SHF D 09 SIGNAL GENERATOR, SHF E	04 GENERATOR, SIGNAL, PULSE		21140		22 SWEEP GENERATUR, UHF/VHF				47 FREQUENCY HETER A		29 MULTIMETER, DIGITAL 27 MEGDHANETER 30 CHMMETER	41 VOLTHETER, AC TRUE RMS 29 MULTIMETER, DIGITAL					23 ANNETER, AC, CLANP-ON	32 TACHUMETER ELECTRONIC	32 TACHOMETER ELECTRONIC	1	124	AND THE TERM AND THE BASE
FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	55 FREQUENCY METER I	12 SIGNAL GENERATOR, SHF H		92 OSCILLOGRAPHIC RECORDER 8	S2 OSCILLOSCOPE, DUAL TRACE, DC100HHZ	65 SPECTRUM ANALYZER, LOW FREG	20 SWEEP GENERATOR, HF	2 SWEEP GENERATOR, UNF/VNF	16 CEMERATOR, SICNAL, UHF	18 GEMERATOR, SIGNAL, VHF		1 OSCILLOGRAPHIC RECORDER A			7 HODULATION METER	4 GENERATOR, SIGNAL, PULSE	1 VOLTMETER, AC TRUE RMS	9 MULTIMETER, DIGITAL				O VOLTMETER, RF	7 UNIVERSAL COUNTER EDC TO SOOMED	
FAN F	020	053	20	9 9 4	2 160	9 190	108 2	108 22	107	100	866	036 91	866	970	031 57	050 04	14 866	62 866	100	1117	117	070 40	018 57	866
FSCH CO	28480 0	17327 0	28480 050	15566 0	35225	80009	04423 10	04423 10	17327	-	ć	40931	65092 9	50666 0	98282 0	04596 09	04423 99	04423 94	00426 00	16764 1	16764 11	95711 0	28480 01	03762 99
MFG MODEL NR	K532A	K661159	K 7006	LAAJ	LA265A	1.3	LSXA	LSXA1	L 7004	ME C 1 00C	HF 10	HH906A	H1L F10314	ML 55C	MN120	141	HR5 14450ACVV	HR5 3H 750DCV V	HSIA	MT1510	MT650	HV288	MD95512A	ī
THOE TYPE ID DESIGNATOR																								
740E	3272	3274	17.71	1011	4073	4048	6061	1910	1275	4120	1779	4004	1990	4835	7091	2161	1661	7661	1993	3394	1193	1994	4139	1989
I NDE X NUMBER	2032000 3235	6031002 3274	0070006 3273	C011011 4071	C020028 4073	C040097 4088	0040038 1909	0010142 1910	0070004 3275	0215 (800900	£013036	C010003 4064	A013029 1990	A011001	C0400000 1602	0050047	A013029 1991	A013029 1992	A020036 1993	0022003 3394	0020004 3393	A011039		A013029 1969

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	CENERAL

PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME	29 MULTIMETER, DIGITAL	17 SIGNAL GENERATOR, VHF A						·						13 SIGNAL GENERATOR, THER NOISES 14 SIGNAL GENERATOR, THER NUISES	41 VOLTHETER, AC TRUE RMS 29 HULTIMETER, DIGITAL	41 VOLTMETER, AC IRUE RMS 29 MULTIMETER, DIGITAL					OR	19 GEMERATOR, SIGNAL FUNCTION 04 GEMERATOR, SIGNAL, PULSE	19 GENERATOR, SIGNAL FUNGTION 04 GENERATOR, SIGNAL, PULSE	A MIN TIMETED DICITAL MANDRED
FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME		3 SIGNAL GENERATOR, HF	S GENERATOR, SIGNAL, VHF	B GENERATOR, SIGNAL, VHF	S SIGNAL GENERATOR, UIF A	5 BRIDGE, UNIVERSAL	NULTIMETER, DIGITAL	3 FIELD STRENGTH HETER A	3 FIELD STRENGTH HETER A	N FIELD STRENGTH METER B	3 FIELD STRENGTH HETER A	3 FREQUENCY METER G	1 OSCILLOSCOPE, OC-15MHZ				3 AMMETER, AC, CLAMP-ON	3 AMMETER, AC, CLAMP-ON	7 FREQUENCY NETER A	. GENERATOR, SIGNAL, PULSE	N TELETYPE TEST SET GENERATOR			
FAN FU CODE BY		1 03	9.	91 9	51 6	\$2 11	67 8/		13 43	*		53	15 61	S.	2	•	62 81	11 23	24 0	1 0 05	7 34	9	9	•
FSCH CO		16469 051	16469 106	16469 106	16469 107	26289 011	65092 078	88869 043	88869 043	66669 043	68869 043	000 62600	60000	12678 055	79500 076	79500 998	86416 998	89315 001	03927 020	24141 050	96238 067	80009 050	80009 050	
NFG MODEL NR		41214	11854	H1.064	H1874	£	445	NH1727	NN26T	NH 1757	NH 7	N414A	0	PANF 175	PALSAC	PA140C	PAISI	PAS	PFH6048	P632	P6404	PGSOI	66507	1
TYPE DF SI GNA TOR																								
1H06		37.76	1121	3278	3279	1 300	4047	1792	1743	1784	4848	1781	1551	4130	4045	9661	1999	1997	1745	1914	2483	4107	4104	
INDEX		0070019 3276	0070018 1277	0070017 3278	0070016 3279	8021014 1300	4012025 4042	£040001 1742	F 050007 1743	F 040002 1784	F 040003 4888	6032045 1781	C032035 155	E 013060 4130	A011004 4045	A020018 1998		A020018 1997	6035040 1785	100500	K100032 248	0050055 4107	0050059 4109	

06/25/80	PARTIALLY COMPATIBLE By Spec nr and Spec name			19 GENERATOR, SIGNAL FUNCTION 17 Signal Generator, vmf a 04 Generator, Signal, Pulse	41 VOLIMETER, AC TRUE RMS 29 MULTIMETER, DIGITAL		29 HULTIMETER, DIGITAL		38 VOLIMETER, DIFFERENTIAL							04 GENERATOR, SIGNAL, PULSE			19 GEMERATOR, SIGNAL FUNCTION				,	28 MULTIMETER, DIGITAL HAMDHELD 23 AMHETER, AC, CLAMP-OM	20 MULTIMETER, DIGITAL HANDHELD
ONS									•••		<								_						
TMDE CROSS-REFERENCE LIST Purpose thde ots ete specifications	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	BRIDGE+ UNIVERSAL	SPECTRUM ANALYZER, RF			MULTIMETER, DIGITAL		HULTIHETER, DIGITAL	MULTIMETER, DIGITAL	AMMETER, AC, CLAMP-ON	SIGNAL GENERATOR, THER NOISEA	FREQUENCY METER I	SIGNAL GENERATOR, UHF A	MULTIMETER. DIGITAL	CABLE TEST SET (TOR)		X-Y RECORDER	OSCILLOGRAPHIC RECURDER B		OSCILLOSCOPE, OC-15AHZ	OSCILLOSCOPE, OC-15HHZ	OSCILLOSCOPE, DC-15HHZ	MULTIMETER, DIGITAL		
		\$2	6			56		54	5.8	23	13	\$\$	15	54	9		6	45		21	15	21	62		
PART 11 General	FAH	866	190	901	866	966	866	077	966	100	959	070	101	07.7	600	966	180	036	049	690	690	690	025	710	032
2 3	FSCH	08987	23369	04423	89954	79500 998	91 199	79500	79500	29834 001	28480	28480	7327	98438	82389 009	23405	06743	96795	90009	60009	80009	00000	96270	15566	15566 032
	MFG MODEL NR	PW1600	P5A231	PSXI	P T 8 L	Px151	**	PXS	9649E 6X4	٤	P347A	P512A	P 7006	P91008	90100174	RCD 2 0006	40252170	#D257220	RG501	A H I S	RM33	44564	48139X	RSJ	RSJA
	TYPE TYPE OF SECNATOR	•	_	•								ă.	_	فر			B a	_							
	140E	2000	1603	410	3696	202	202	2025	1202	5661	161	3242	324	1996	1484	3287	1555	152		1554	1269	1554	2924	1303	136
	INDEX NUMBER		C040023 1603	DO \$0056 4108	£013014 3686	A012028 2026	A011048 2024	A012028 2025	A012028 2027	A020034 1995	0020014 1913	9002109	0070010 3243	A012016	A033028		2551 5602603	1551 1001103	DOADO79 4117	C020013	1201100	5551 6101603	A011046 2078	401104	A041052 1384

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PART 11 INDE CROSS-REFERENCE LIST GEMERAL PURPOSE TMOE OTS ETE SPECIFICATIONS

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I NDE X NUMBER	TWOE TYPE ID OF STO	TYPE Of Signator	MFG MODEL NR	FSCM	FAH CODE	FUN	FUNCTIONALLY COMPATIBLE By Spec nr and Spec name	PARTIALLY COMPATIBLE By Spec Mr and Spec Name
								23 AMMETER, AC, CLAMP-DN
A042018 1305	1 105		R \$ 3 0 0	15566	100			28 MULTINETER, DIGITAL HANDHELD 23 ANNETER, AC, CLAMP-DN
008004	4116		R1200A	01537	901			19 GENERATOR, SIGNAL FUNCTION 18 GENERATOR, SIGNAL, VHF
C040071 3284	3284		8491	60009	790	•	SPECIRUM ANALYZER. RF	
C030054 4077	4077		R 50 30	80008	000	\$\$	OSCILLOSCOPE, DUAL TRACE, OCAOONHZ	
C031026 4859	4859		R5113	80003	680	2	OSCILLOSCOPE, DC-15MHZ	
C030053 4076	4076		R 540 3040	80009	690	2	OSCILLOSCOPE, DC-15MH2	
C011020 3286	3286		R 561A	80009	690	2	OSCILLOSCOPE, DC-15MHZ	
C033049 4075	4075		R 7.11.3	160 60008	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ	
C031022	1004		P 7603	60009	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MH2	
C031025 4858	4858		R 760 101	80008	060	25	DSCILLUSCOPE, DUAL TRACE, DC100MH2	
C020068 4854	1884		R7704	80003	040	ž	OSCILLOSCOPE, DUAL TRACE, DC200HHZ	
C040025 1605	1605		\$470A	03782	190	5	SPECTRUM ANALYZER, RF	
C040031 1606	9091		SABANA	82199	790	3	SPECTRUM AMALYZER, RF	
C040036 1607	1691		287	03762	790	•	SPECIRUM AMALYZER, RF	
C030056 4079	4079		20505	60000	680	2	OSCILLOSCOPE, DC-15HHZ	
K100032 2491	1642		SFR 5088	85386	966			28 MULTIMETER, DIGITAL HANDMELD 23 AMMETER, AC, CLAMP-ON
0080033 4115	4115		\$6502	60009	043	2	GENERATOR, SIGNAL FUNCTION	
8010152 4099	6604		\$6503	60000	100			19 GENERATOR, SIGNAL FUNCTION 18 GENERATOR, SIGNAL, VMF
9601 121 1006	4046		\$6504	60008	901			17 SIGNAL GENERATOR, VHF A 15 SIGNAL GENERATOR, UHF A
0010139 4101	1014		\$6800	29644	053	71	SIGNAL GENERATOR, SHF H	
D040077 411R	4114		SGROOA	54967	640			21 SHEEP GENERATOR, SHF 22 SHEEP GENERATOR, UHF/VHF
0060028 1916	1916		SHI	12440	109	~	SHEEP GENERATOR, UNF/VHF	

				PART 11 GENERAL		THDE CROSS-REFERÊNCE LIST Purpose thde ois ete specifications	04/52/40
INDEX HUMBER	TMDF TYPE 10 OFSE	GMA TOR	MFG MODEL NR	FSCH CODE	P V V	FUNCTIONALLY COMPATIBLE By Spec nr and Spec name	PARTIALLY COMPATIBLE By Spec nr and Spec name
F07007E	3100		\$10558209	866 656+9			29 MULTIMETER, DIGITAL 69 STANDING WAVE RATIO (SWR) METER
A042018	106		510558220	95674 998			69 STANDING WAVE RATIO (SWR) METER 23 ANNETER, AC, CLAMP-ON
C040013 160A	1608		SPAID	190 29160			65 SPECTRUM ANALYZER, LOW FRED 68 SPECTRUM ANALYZER, RF
£04003	1609		SPA325A	03782 061	9	SPECTRUM ANALYZER, RF	
0000003	4883		SPG2	890 60009			79 TELEVISION GENERATOR A
C0 30030	1556		SPR 100	01113 000	\$5	OSCILLOSCOPE, DUAL TRACE, DC400MHZ	
8022081	3292		5P2280	770 26911	25	BRIDGE, UNIVERSAL	
	1231		\$12979	11837 998			25 BRIDGE, UNIVERSAL
0060028	1161		23117	33347 998			79 TELEVISION GENERATOR A
010100	1981		51	80000 000	\$6	OSCILLOSCOPE, DC-500MH2	
A011059 2029	6207		H6+5	28569 076	7	VOLIMETER, AC TRUE RMS	
000100	3290		\$ 7006	17327 053	=	SIGNAL GENERATOR, SHF G	
C030030	1551		-	800000	15	DSCILLOSCOPE, DC-15MH2	
£ 020002	2113		109	82199 043	9	FIELD STRENGTH METER D	
0050001 3403	1403		1052	55026 117			32 TACMOMETER ELECTRONIC
002000	3404		10712	85386 998	35	TACHONETER ELECTRONIC	
L 130014	44.26		TFC5 1091	2111 11146			32 TACHOMETER ELECTROMIC 95 STROBOSCOPE
K 0900B3	16/1		TF10261	09335 998	20	FREQUENCY METER D	
K 0900A3	7621		TF10262	09335 998	21	FREQUENCY METER E	
K0900A3	1793		TF10263	09335 998	25	FREQUENCY METER F	
K090083	1794		FF10264	06333 998	25	FREQUENCY METER F	
0110100	7191		1F1066A	901 (5560	6	GENERATOR, SIGNAL, VHF	1
0010144 1919	6161		1 10 6 6 8 6	09553 106	•	GENE RATOR, SIGNAL, VIG	
8023005	8551		TF 1245	09553 042			9) Q-METER

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PART II THOE CROSS-REFERENCE	285
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I NDE X NUNDE R	1 x 0 0 1	TMDE TYPE ID DFSIGNATOR	MFG MODEL MR	FSCH	FAN	FUNC BY S	FUNCTIONALLY COMPATINLE BY SPEC NR AND SPEC NAME	PART BY S	PARTIALLY COMPATIBLE By Spec nr and Spec name
0010137 1920	1920		TF1247	09553	901	=	GENERATOR, SIGNAL, VIF		
C060001 1613	1613		TF 2 300A	09553	160			25	HODULATION NETER
CO40004 1614	1614		FF2 1001	09553	160			25	MODULATION NETER
C068006 4092	404		IF2304	09553	160	23	MODULATION NETER		
C060007 1610	1610		11.7910	09553	110			2.5	MODULATION METER
C040005 1611	1611		16934	09553	110	25	MODULATION METER		
0080072	1795		1050101	80009	250			5	GENERATOR, SIGNAL, PULSE
E013013 1796	1796		TLCG100K	010 19116	010			7	CALORIMETER
0020011 1923	1923		TH7816	09553 998	866	59	NOISE GENERATOR, THELVE CHANNELS		
	1307		Tas	865 68795	866			52	BRIDGE, UNIVERSAL
F080026 3140	3140		16700542	06840	260	54	MULTIMETER, DIGITAL		
C040057 4005	4005		TSAH	82199	290			4 6	SPECTRUM ANALYZER, BASEBAND SPECTRUM ANALYZER, RF
D080049 4879	4879		1561	80009	890	9	TELEVISION GENERATOR C		
0080091 4881	1881		1563	80009	9 90			62	TELEVISION GENERATOR A
K090074 2363	1363		17111038	50137	170	10	TRANSMISSION TEST SET		
K090063 2364	2364		1111110A	50137 071	110			22	DIAL EQUIPHENT TEST SET
K090062 2365	2365		1111140	50137	170	10	TRANSMISSION TEST SET		
K090073 2366	2366		1111200	50137 037	037	7.0	PHASE JITTER NETFR		
E013014 3463	3683		17528	06819 998	966	28	MULTIMETER, DIGITAL HANDHELD		
K080015 2362	236.5		TTS48NH	61990	110			22	TRANSMISSION TEST SET DIAL EQUIPHENT TEST SET
P020013 1924	1924		11554	06819	055	=	SIGNAL GENERATOR, THER MOISEB		
L150012 250)	250)		11125	04071 072	270			36	TURE TESTER
A043051 1308	1 308		LVDHJ	25778	032			7 8 2	NULTIHETER. DIGITAL HANDHELD
KO70003 2429	2429		14546	94990	260	23	AMETER, AC. CLAMP-UN	92	MULTIMETER, DIGITAL HANDHELD
K100032 2496	2496		~	865 23 998	866			92	MULTIMETER, DIGITAL HANDHELD
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06/25/80	PARTIALLY COMPATIBLE By Spec nr and Spec mame	TRANSMISSION TEST SET			AMMETER, AC. CLAMP-UM	MULTIMETER, DIGITAL		SIGNAL GEMERATOR, SHF A Signal Gemerator, shf b Signal Gemerator, shf c	SIGNAL GENERATOR, SHF D Signal Generator, shf e	VOLTMETER, AC TRUE RMS MULTIMETER, DIGITAL HANDMELD	DISTORTION ANALYZER									MULTINETER, DIGITAL MANDHELD	PHASE METER		1		
	4 8	5			23	53		000	0 6	41 28	2									88	9				
PART IT THOE CROSS-REFERENCE LIST Gemeral purpose thoe ots ete specifications	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME		SI OSCILLOSCOPE, DC-15MH?	SI OSCILLOSCOPE, DC-15MH?		28 MULTIMETER, DIGITAL HANDHELD	29 MULTINETER, DIGITAL	12 SIGNAL GENERATOR, SHF H	12 STGNAL GENERATUR, SHF H			41 VOLTHETER, AC IRUE RMS	42 CALORIMETER	S2 OSCILLOSCOPE, DUAL TRACE, DC100MHZ	OI AUDIO OSCILLATOR	52 FREGUENCY METER F	53 FREQUENCY METER G	SI OSCILLOSCOPE, DC-15MHZ	BO TELEVISION GENERATOR C	•		29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL	13 SIGNAL GENERATOR, THER MOISEA
ERAL	FAM CODE		680	690	866	003	200	053		866	10	970	010	160	866	070	0 2 0	680	8 90	210	036	032	032	032	35
E E	FSCM		60008	60000	54085	32590	03762	7327	7327	98416	04598	12365	99313	80009	49671	16786	16786	11965	02734	14964	•	03626	03626	03626	26480 055
	HFG HODEL NR		1912	1922	5	•	USPMOD	0661159	U7006	VA35	42M3	V100H	V403014B	3	WASSC	WCF12174N	WDA3712	21604	NR515A	DOGAM	ç	I x	*	x1x	A1+7A
	TMDE TYPE 10 DESIGNATOR		4072	4853	1102	8101	1 309	2111	3316	1693	1616	2032	6214	1559	1875	1771	331.9	1951	1876	0111	1560	1111	2161	1111	1877
	INDEX NUNBER		0100703	C 0 2 0 0 6 7	A011059 2011	A 020013 4048	A042005	6031003 3317	001000	A042015	C050007 1616	A011022 2012	£013022	C032011 1559	0050046 1875	6032014 1797	6032005	1951 #100203	1,00000	A043036	802200	A043018	A043023 1312	A041013 1313	0020005 1877

and the second the second that the second second

_	SPECIFICATIONS
ENCE	ETE
EFER	015
55-R	1 HDE
CR0	OSE OSE
THDE CROSS-REFERENCE	PURP
=	R AL
PART 11	GENE

PARTIALLY COMPATIBLE By Spec nr and Spec name						5 TUBE TESTER		5 BRIDGE, UNIVERSAL			7 VIBRATION TEST SET 1 OSCILLOGRAPHIC RECORDER A		P MULTIMETER, DIGITAL		VIBRATION TEST SET) SIGNAL GEMERATOR, THER NOISEA) SIGNAL GEMERATOR, THER NUISEB						? SWEEP GENERATOR, UHF/VHF 3. SWEEP GENERATOR, HF 3. GENERATOR, SIGNAL FUNCTION		
2.5						36		52			16		62	~	41	21						250		
FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	FREQUENCY METER G	POWER METER, SHF	FREQUENCY METER G	FREQUENCY METER G	POWER METER, SHF		FREQUENCY METER H		BRIDGE, UNIVERSAL	HE GOHMME TER		ANNETER, AC. CLANP-ON		DSCILLOSCOPE, DUAL TRACE, DC100NHZ			SPECTRUM ANALYZER, RF	SPECTRUM ANALYZER, RF	CABLE TEST SET (TDR)	VOLTHETER, RF	VIBRATION TEST SET		VIBRATION TEST SET	VIBRATION TEST SET
	53	§	53	53	63		5.		52	2.7		23		25			9	9	=	9	44		44	16
FAM	020	966	020	070	1 6	966	070	110	80	866	==	966	8	160	866	050	190	790	600	000	=	966	=	866
FSCH	00929 020	28480	28480	28480 020	17327	13688 998	67600	00740	19482	88416	80008	33333	33333	80009	62973 998	03762	60009	80008	80000	09435	61072	86 108	01072	34532
HFG HODEL NR	X410A	K486A	XS12A	X551F	07.4x	VTW3	V410A	/R2A	0182	10	015502000	OSOAMPS	0750 AMP S	145	21	16115	11.10	11.20	152	01	19VAD	100A	044001	250001
IMDE TYPE IO DESIGNATOR	1798	1463	1799	1750	1154	2456	1751	1314	1562	2013	4472	2034	2036	1563	2186	1878	1617	1618	1619	3138	0617	7001	2612	2218
NDEX	032026 1798	•	032025 1799	032058 1750	13056 1154	150019 2456	1521 720260	P111 500120	2951 600220	011022 20110	021051 4472	111022 20110	011022 2030	032015 1563	050036 2186	080040 1878	040020 1417	040021 1618	015001 1619	011066 3138	040012 2140		2417 500000	050067 2214

PART 11 THDE CROSS-REFERÊNCE LIST GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS

AHE			VHF VHF A	AL HANDHELD			SET		٠																
PARTIALLY COMPATIBLE By Spec nr and Spec Mame			GENERATOR, SIGNAL, VHF Signal Generator, vhf	MULTINETER, DIGITAL HANDHELD			TRANSHISSION TEST SET																	BRIDGE, UNIVERSAL	
ARTIA Y SPE			10 GE 17 SE	28 MU			82 TR																,	25 BR	
	12			~			•														2	5	2	~	7.
	UNIVERSAL COUNTER (OC TO 500MHZ)									HELO				JISEA	×						UNIVERSAL COUNTER (OC TO SOOMHZ)	COUNTER LOC TO SOOMIL!	UNIVERSAL COUNTER (DC 10 500MH2)		OSCILLOSCOPE, DUAL TRACE, DC100MHZ
w.	OC 10	生	u.			I. SE	ER	RMS	LSE	HULTIMETER, DIGITAL HANDHELD			u.	SIGNAL GENERATOR, THER NOISEA	GENERATOR, SIGNAL FUNCTION	LSE		u.	SE T		00 10	00 10	00 10		RACE .C
AT IBLE EC MAP	TER (10R •		ICI TAL	44L.PL	COUNT	TRUE	VAL, PL	GITAL		GITAL	10R. H	10R. 1	SNAL F	4AL.PU	GITAL	HAL , VP	IEST S	10R	ITER (ITER (ITER (UAL T
COMP.	ר כסח	ENERA	ENERA		ER, D	R.516	35 I ON	R. AC	R . S I G	ER. D	R, RF	ER. D	ENERA	ENERA	R. 510	R . S I G	ER, 0	R , S I G	STEN	CILLA	ר כספו	ר כפתג	L C0U		COPE, C
FUNCTIONALLY COMPATIBLE By Spec nr and Spec Name	VERSA	SIGNAL GENERATOR.	SIGNAL GENERATOR, HF		MULTIMETER, DIGITAL	GENERATOR , SIGNAL , PULSE	IMPULSE NOISE COUNTER	VOLIMETER, AC TRUE RMS	GENERATOR, SIGNAL, PULSE	TIMET	VOL THE TER,	MULTIMETER, DIGITAL	SIGNAL GENERATOR, HF	NAL G	ERATO	GENERATOR, SIGNAL, PULSE	MULTIMETER, DIGITAL	GENERATOR, SIGNAL, VHF	AUDIO SYSTEM TEST	AUDIO OSCILLATOR	VERSA	UNIVERSAL	VERSA		11105
INCT 10																									
	23	03	6		52	5	2	Ţ	6	2.8	7	5	03	13	13	5	59	2	71	10	5.7	2.5	5.7		25
FAN	1 016	\$ 998	9 43	15566 032	7 032	3 050	866 2	866 9	9 050	2 110	3 998	4 998	966 +	4 998	4 998	4 998	8 6 9	1 106	966 9	R0009 006	1 018	1 018	1 016	9 00 6	28480 091
FSCM	40101	24655	18876	1556	16461	15933	16152	18876	82199	98202	00053	19110	19110	19110	04164	04164	18876	04401	18876	8000	11990	06811	06811	15529	2848
¥																					•				
MFG MODEL			6503					1154		36	7653	8118	2039	1692	2653	1691	0188462		6105	u	1017A1926A	_	7.		_
HF6	1002	1003	10046503	1001	101	101	1018	10111154	1013	101586	10167653	10178145	10162039	10182651	10162653	10167657	1018	1024	1051201	10220	1017	10174	103742	10175	1015A
TYPE DESIGNATOR																									
THDE 10	6122	7591	1597	1378	1322	1883	8612	5502	1874	1323	144	1445	2002	2096	1607	2098	1440	1630	2406	1653	1 708	1222	2220	2051	4074
INDEX	6050072 2219	2591 9100100	1651 021018B	4041051 137R	2261 9100500	0050016 1883	1090005 2198	A020020 2055	0050046 1874	A033018 1323	A042017 1444	A042017 1445					C010018 1440	0010078 1530	K090059 2406	8010049 1653	6050010 1708	6050057 2221	C050059 2220	A631013 2051	C030029 4074

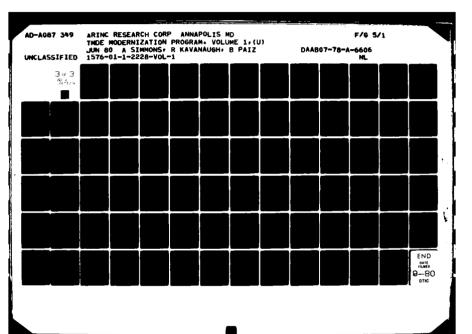
1111	SPECIFICATIONS
FERENCE	OTS ETE
CROSS-RE	PURPOSE THDE DTS ETE
1 TMDE	L PURP
PART 11	CENERA

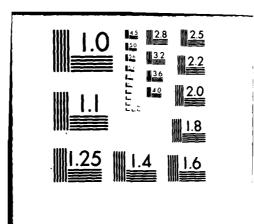
				,	OC NE N AL	rukruse inde als ele specifications	IF ICAT LONS		
I NDE X NUMBER		JMDE FYPF ID OFSIGNATOR	NFG MODEL NR	FSCH	FAN CODE	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME		PARTIAL BY SPE	PARTIALLY CONPATIBLE By Spec Mr and Spec name
A031006 1926	9261		0501	28009 008	8 00				
1040004 2701	2701		10525A	28480 027	627			97 .	INSULATION, TEST SET
1.060001 2702	2022		105244	28480 027	02.7				LUGIC ANALYZER
LO60003 2703	2703		105294	28480 027	120				LUGIC AMALYZER
0040014 3340	3340		1061 VPE2	80009	054	19 GEMERATOR, SIGNAL FUNCTION			10 THE 10 TH
2541 [5]0100	1825		106686	09553	106	18 CEMERATOR, SICHAL, VHF			
0040004 1484	1884		101	80009 054		19 GENERATOR. SIGNAL FUNCTION	11 ON		
A031029 1379	1379		1080	28009 008			. •	25 BR 1 27 MEG	BRIDGE, UNIVERSAL Mecohmmeter
	1445		109	866 60008	866		_	O4 GEN	GENERATOR, SIGNAL, PULSE
1030007 2348	2348		911	14100	122	73 DIAL EQUIPMENT TEST SET	-		
0050034 4105	4105		1108	060 11890		04 GEMERATOR, SIGNAL, PULSE			
A020020 2058	9502		11041191	92801	866		•	30 DHM	DHAME I F B
2952 9200500	7957		11054	28480 050	920				GENERALDO A LONAL DOM SE
D080032 1826	1826		101	95139	053				SIGNAL GENERATOR, SHE B
A012034 2040	2040		=	55026 077		29 MULTIMETER, DIGITAL	,	918 20	SIGNAL GENERATOR, SHF C
0060029 1886	1885		1120	04423 1	109		7	22 SWEEP 20 SWEEP	SWEEP GENERATOR, UNF/VHF Sweep Generator, HF
£013021 4128	4128		11.18	07387	400				GEMERATOR, SIGNAL FUNCTION
0050043 4106	4 106		: :					87 AUD	AUDIO INTENSITY METER
6032021 1708	1 709		1142A	11880		OS GENERATORISIGNAL, PULSE			
0010014 3553	1551		1144A	24655 9			4	48 FRE	FREOUENCY METER 8
0121 6100500	1710		1153	24655 018		S7 UNIVERSAL COUNTER (DC TO SOOHHZ)		, T. K.	36 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6031007 1711	17.11	-	1156A	24655 0.8		S7 UNIVERSAL COUNTER 10C TO 500MHZ1	12HN005 D		

				23	NET 11	TMDE CROSS Purpose tr	PART 11 TWDE CROSS-REFERENCE LIST General purpose thde OTS ete specifications		06/25/80	
INDEX NUMBER	TMDE TYPE 10 9ESIG	TYPE nesignator	MFG MODEL NR	FSCH	FAN	FUNCTIONAL By Spec ne	FUNCTIONALLY CUMPATIBLE By Spec nr and Spec name	PART BY S	PARTIALLY COMPATIBLE By Spec nr and Spec nane	
0080046 1888	1 3 3 3		11.6	15859	2 40	19 GENER	GENERATOR, SIGNAL FUNCTION			
0080021 1887	1881		116VCC	23338 047	1 10	19 GENERI	GENERATOR, SIGNAL FUNCTION			
2020001 1712	1115		81611	24655	u10	S? UNIVER	UNIVERSAL COUNTER (OC 10 500MHZ)			
K090006 2369	5 369		128	14140 071	170	BI TRANS	TRANSMISSION TEST SET			
K090065 2370	2370		128	78957 122	122	73 DIAL 6	DIAL EQUIPMENT TEST SET			
1554 1100100	1556		17/1	06424 998	866	52 FREGUE	FREOVENCY METER F			
C020034 1517	1151		1208	28480	680	31 050111	OSCILLOSCOPE, OC-15MHZ			
6060002 2223	2223		1001	50137 037	033	78 PHASE	PHASE JITTER METER			
D080073 1713	1713		12058F	82199	107	16 GENER	GENERATOR, SIGNAL, WHF			
0080065 1827	1827		1205F	82199 107	107	16 GENER	GENERATOR, SIGNAL, UNF			
	1654		12048	24655	978	18 CENER	GENERATOR, SI GNAL, WHF			
0010125 1828	1828		1710A	24655 006	900	OI AUDIO	AUDIN OSCILLATOR			
£ 010002 1714	1754		1212A	24655 00A	# 00			52	BRIDGE, UNIVERSAL	
0010129 1829	1829		12158	24655 106	901	18 GENER	GENERATOR.SIGNAL.VHF			
0020041 1830	1830		34121	24655 050	050	04 CENER	GENERATOR, SI GNAL, PULSE			
C020071 4857	1881		1220A	28460 089	690	S1 05C1L1	OSCILLOSCOPE, DC-15MH7			
1000003 2711	11112		122001	89944 998	966			36	TURE TESTER	
L150025 24A0	2440		173A	28569 072	270	36 TUBE	TUBE TESTER			
A011061 2041	1407		124R	80164 076	976	41 VOLTH	VOLIMETER, AC TRUE RMS			
0080095 4885	4885		1248	08038	90	80 TELEV	TELEVISION GENERATOR C			
6031023 1715	1715		1255A	010 11890	610	S8 FREDU	FREDUENCY COUNTER(10HZ IO 18GHZ)			
14011042 2043	1 502		1268	94668	110	70 VOLTH	VOLTHETER, FREQUENCY SELECTIVE			
A011055 2044	5044		37.70	94668	110			2 98	VULTHETER, FREQUENCY SELECTIVE VOICE BAND ANALYZER	
A031013 2052	7507		17890	91547 998	938			88	MULTIMETER, DIGITAL HANDHELD	
A011028 2045	2045		1278	94668	011			02	VOLIMETER, FREQUENCY SELECTIVE	

PART II THDE CROSS-REFERENCE LIST	SPECIFICATIONS
FERENCE	OTS ETE
CROSS-RE	JSE THOE
1 TM06	PURP
PART	CENER AL

NUMBER	740£	THUE TYPE In designator	MFG MNDEL NR	FSCH	FAH COOE	FUNC 8Y S	FUNCTIOMALLY COMPATIBLE BY SPEC MR AND SPEC NANE	2.0	PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME
								96	VOICE BAND ANALYZER
A042017 1442	1442		1294012	79500 978	908	56	INSULATION, TEST SET		
K090001 2371	2371		138	14100 122	122				
S010127 1812	1812		13074	24655	900	70	AUDIO OSCILLATOR	3	Biol Courney 1651 SET
9591 1800100	1656		13108	24655	900			10	AUDID OSCIII ATOR
0010095 2561	2561		13114	24655	4	;		6	
D050045 18A9	1889		1 32 A	13488			AUDIO USCILLATUR		
0010074 3346	3341		1344	21461			CLICTUS OF STRONG SE	;	
H014052 4451	1441		1146 [104175					0 0	AUDIO OSCILLATOR Signal Generator, hf
4011011 1922	1001			71107		7	MACHUMETER ELECTRONIC		
10000	2		1346	24655 076	926			14	VOLIMETER, AC TRUE RMS MULTIMETER, DIGITAL
H022013 5148	5148		135#11	99866 117	11			32	TACHOMETER FLECTRONIC
M022016 3448	3448		13549	99866	999			95	STROBOSCOPE
A032026 1324	1374		1 36 X	77068	920			:	
0010161 4409	4.809		1 16 3	24655 106		17	A SES CONTRACTOR A SES A	9	INSULATION, TEST SET
0050033 1890	1890		1398	13488 0				ź	
0080043 1891	1691		140	80007 068		1 08	TELEVISION CENEBATOR C	5	GENERALUK, SILNAL, PULSE
C010017 1544	1544		1464071	26480 085					
A012036 1928	1928		1400	31946 0	2 220	29 H	MULTIMETER, DIGITAL		
A020035 1929	6761	-	1400	31946 0	2 600	¥ 62	MULTIMETER, DIGITAL		
2+51 10000203	1542	-	14014634	28480 0	089 \$	51 0	05C1LL0SCOPE		
	4858		1401432347	80009	9 190	5 89	SPECTRUM ANALYZER, RF		
1014 2100200	101		1402	0 16522	055			1	GENERATOR, THER
6931010	1469	•	14024	28480 01	13 680		0.5221.0.50pg - 0.5222		SIGNAL GENERATOR, THER NOISEB
C032036 2564	5564	-	1402AC07	28480 091			OSCILLOSCOPE, DUAL TRACE, DC100HH/		





MICROCOPY RESOLUTION TEST CHART

				23	IRT 11 NERAL	1	PART II THDE CROSS-REFERENCE LIST General purpose thde OTS ete specifications	740	08/25/80
NDEX	THDF	TMDF TYPE IO DESIGNATOR	MFG MODEL NR	FSCM	FAN	7 E	FUNCTIONALLY CONPATIBLE BY SPEC NR AND SPEC NAME	PARTIALI By Spec	PARTIALLY COMPATIBLE By Spec nr and Spec nane
+60000	, 8		1405	60008	990			79 TELE 80 TELE 68 SPEC	FELEVISION GENERATOR A TELEVISION GENERATOR C SPECTRUN ANALYZER, RF
080035 1519	1519		1414	28480	160	25	OSCILLOSCOPE, DUAL TRACE, OCIOOMHZ		
030023	7691		1414	60008	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MH1		
030050 1520	1520		1415C07	28480	₹60	53	OSCILLOSCOPE, DUAL TRACE, STORAGE		
040057	1657		0141	65092	140	5	GENERATOR, SIGNAL FUNCTION		
040026 5149	5149		14100	60000	990			79 TELI	TELEVISION GENERATOR A TELEVISION GENERATOR C
034015 2565	2565		14114003	28480	989	26	OSCILLOSCOPE, DC-500MN2		
015005	1658		14154	28480	600	9	CABLE TEST SET (TOR)		
030042 1470	1470		1416A	28480	680	2	OSCILLOSCOPE, OC-15MHZ		
101179	4807		142	23338	6	6	GENERATOR, SIGNAL FUNCTION		
934015 2566	9952		1421AC06	26180 089	680	3	OSCILLOSCOPE, DC-15AHZ		
1111 100110	141		14234	28480	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ		
034008 1659	1659		1424A	28480	949	\$6	OSCILLOSCOPE + DC-500MH2		
1757 600110	25A7		1425403	28480	6 90	21	OSCILLOSCOPE, DC-158412		
34616 2548	2548		14304004	28480	98 3	36	OSCILLOSCOPE . DC-500HH2		
1711 50000	1711		14700711041	80004	990	2	TELEVISION GENERATOR C	79 TELE	TELEVISION GENERATOR A
210240	1 380		1433	29316	032			29 MUL 1	MULTINETER, DIGITAL
1912 100064	1817		1500	62973	111	6	VIBRATION TEST SET		
933009	1341		1501323	60008	600	=	CABLE TEST SET ITOR!		
271 020110	1342		1502	80009	600		CABLE TEST SET (TDR)		
13061	4790		1403	80008	600	8	CABLE TEST SET (TDR)		
110104 4010	401		22151	16469	107			17 SIGNAL 15 SIGNAL 16 GENERA	SIGNAL GENERATOR, VHF SIGNAL GENERATOR, UNF GENERATOR, SIGNAL, UNF
11/1 (00020	1111		153144	24655 065	96 5	45	STROBOSCOPE		

PART 11 THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE 01S ETE SPECIFICATIONS

PARTIALLY CONPATIBLE By Spec nr and Spec name					AUDID INTENSITY HETER	VIBRATION TEST SET		CABLE TEST SET (TDR)			BRIDGE, UNIVERSAL							/ MEGOHMMETER S INSULATION, TEST SET		GENERATOR, SIGNAL FUNCTION	WATTHETER, RF	INSULATION, TEST SET 7 HEGOHRHETER	,		
7.0					67	4		:			52							26		61	3	% 2.2			
FUNCTIONALLY COMPATIBLE By Spec nr and Spec name	STROBOSCOPE	STROBOSCOPE	STROBOSCOPE	ANNETER, AC, CLAMP-ON			SPECTRUM ANALYZER, LOW FRED		MULTIMETER, DIGITAL MANDHELD	LOGIC ANALYZER		LOGIC ANALYZER	BRIDGE, UNIVERSAL	BRIDGE. UNIVERSAL	BRIDGE, UNIVERSAL	me cohnne t er	BRIDGE, UNIVERSAL.		BRIDGE, UNIVERSAL		POWER METER, RF IN-LINE		DATA ERROR TEST SET	BRIDGE, UNIVERSAL	BRIDGE, UNIVERSAL
	9	\$	95	2			65		8 2	11		11	52	52	52	2.7	\$2		\$2		? 9		72	\$2	\$2
FAH COOE	\$ 065	\$ 065	5 065	2 001	\$ 004	111 6	5 059	28480 009	6 032	28480 027	\$ 998	0 027	966 5	5 008	24655 011	6 025	5 011	6 025	\$ 008	1 00 0	8 082	\$ 00 B	0 013	\$ 008	5 99R
FSCN	24655	24655	24655	65092	24655	24655	24655	2848	92056	2848	24655	26480	24655	24655	2465	73386	24655	73386	24655	23338	9466	24655	28480	24655	54982
MFG MODEL NR	1538A	1543	15439700	551	15510	19539701	1558A	15804	140	16011	16044	1607A	141082	16114	IAESAN	1620	1620A	16208	1632	141	1648	1644A	LASA	16508	16574
TMDE TYPE ID DESIGNATOR	•	2	21	9	63	•	5	2	2	2.	2	•	:	2	2	90	=	9	~	01			~	2	=
	7 171	5 411	\$ 411	3 204	4 256	222	991 5	\$ 13A	1 132	2 252	22	144 +	1384	0 134	152 6	5 191	1 251	K1 2	8 253	16+ +	9 176	6 134	941	101 2	161
I NDE X NUMBER	6020007 1716	6020005 4136	6020015 4137	A020033 2046	F030004 2569	1090008 2224	C040055 1461	A031015 11A3	A041041 1325	L960002 2522		1040044 4814		8021020 1185	8021019 2570	A031005 1930	B021017 2571	A032022 1796	8021018 2572	0080024 4810	E013015 1767	A031026 1797	C050006 1462	R022007 1475	

HINDEX HINDE TYPE	THOE CROSS-REFERENCE LIST PURPOSE TMDE OTS ETE SPECIFICATIONS FUNCTIONALLY COMPATIBLE	BY SPEC NR AND SPEC NAME BY SPEC	29 MULTIMETER, DIGITAL 28 MULTIMETER, DIGITAL HANDHELD	52 OSCILLOSCOPE, DUAL TRACE, DC100MHZ	OB SIGNAL GEMERATOR, SHF D	09 SIGNAL GENERATOR, SHF E	97 VIRRATION TEST SET	S6 DSCILLOSCOPE, DC-500MHZ	32 TACHOMETER ELECTRONIC	S2 OSCILLOSCOPE, DUAL TRACE, DC100MHZ	26 IMSULATION, TEST SET	\$1 DSCILLDSCOPE, DC-15MH2	SI OSCILLOSCOPE, DC-15MH2	41 VOLIMETER, AC TRUE RMS 29 MULTIMETER, DIGITAL	52 OSCILLOSCOPE, DUAL TRACE, DC100NHZ	52 OSCILLOSCOPE, DUAL TRACE, DC100MH2	52 OSCILLOSCOPE, DUAL TRACE, OCIOONNZ	26 MULTIMETER, BIGLIAL HANDHELD 29 MULTIMETER, BIGLIAL	S2 OSCILLOSCOPE.BUAL TRACE.DC100MHZ	S6 OSCILLOSCOPE, DC-500MHZ	BB CABLE TEST SET (TDR)	S6 DSCILLOSCOPE. DC-500MH2	S6 DSCILLDSCOPE, DC-500MM?	36 TURE TESTER	36 TURE TESTER
TYPE DESIGNATOR MFC MODEL NR 167 1707A 1707A 1710A 1711700104 17123 1722A 1722A 1722A 1722A 1723A 1723	CENERAL CENERAL					12199 053																			89944 072
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PART II THDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE OTS ETE SPECIFICATIONS

I NDE K NUMBE R	<u> </u>	TYPE OF SIGNATOR	NFG MODEL NR	FSCH	F.: CODE		FUNCTIONALLY COMPATIBLE BY SPEC MR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec Mane
C033022 1484	=		1825A	28480	28480 090	\$	OSCILLOSCOPE, DUAL TRACE, DC200MHZ	
C831023 4401	1101		1444	28480 094	160	83	OSCILLOSCOPE, DUAL TRACE, STORAGE	
0040010 1896	1896		1854	30669	30669 054			19 GENERATOR, SIGNAL FUNCTION
C020007 1524	1524		18588	28486	28480 089	23	OSCILLOSCOPE, OC-15MH1	
8050032 2581	1857		185008	9986	201 66866	2	GENERATOR, SIGNAL, UHF	
A031011 1934	1934		1862A	24655	54655 025	92	INSULATION, TEST SET	
A031024 1390	1390		19628	24655 025	\$ 025	92	INSULATION, TEST SET	
A031026 1389	1 389		1882881	2465	24655 998	92	INSULATION, TEST SET	
A032012 1391	1961		18620	2465	54655 025	%	INSULATION, TEST SET	
2515 900510M	2515		1864.4	2848(28480 070		•	96 TEMPERATURE INDICATOR
A032013 1393	1393		18649700	2465	24655 998	92	INSULATION, TEST SET	
C020007 1722	1722		1840	4967	49673 998	•	GAUSS METER	
8023006 1525	1575		190A	28480	240 0		•	93 G-MFTER
D010000 1612	1612		1904	80008	150 6		~	03 SIGNAL GENERATOR, HF 01 AUDIO OSCILLATOR
7681 1510100	1847		1708	0000	1 00 6			03 SICNAL GENERATOR, MF 01 AUDIO OSCILLATOR
864 1418	1938		19204	2848	28480 050			04 CEMERATOR, SIGNAL, PULSE
C0500h0 2225	2225		1926A	0681	910 11890	25	UNIVERSAL COUNTER 10C TO 500MHZ)	
F010003 1723	1723		19339714	5465	24655 004			87 AUDIO INTENSITY METER
A043043 1328	1328		195A	49671	7 0 1		7	29 MULTINETER, DIGITAL
F060003 1724	1724		1965	49673	120 €			89 GAUSS METER
A041004 1329	1329		200	49108	1 032	7.0	MULTIMETER, DIGITAL HANDHELD	
1130001 4795	4795		200	96795	5 036	16	OSCILLOGRAPHIC RECORDER A	
0010116 1613	14.1		2 0 0 A	28480	400 0	10	AUDIO OSCILLATOR	;
A013013 1975	1975		2008	9109	866 +9109			41 VOLTMETER, AC TRUE RMS 29 MULTIMETER, DIGITAL

				15	PART 11 General		THDE CROSS-REFERENCE LIST PURPOSE THDE DIS ETE SPECIFICATIONS		00/52/00
I NDE X NUMBER	7 HDE	TYPE OF SIGNATOR	NFG HODEL MR	FSCM	FAN	FUNC BY S	FUNCTIONALLY COMPATIBLE By Spec mr and Spec mame	1	PARTIALLY COMPATIBLE By Spec wr and Spec mane
0010046 3343	3343		200CB	28480	900	5	AUDIO OSCILLATOR		
0010139	1998		7007	28480	900	5	AUDIO OSCILLATOR		
100900	16 39		10002	04423	100			225	SWEEP GEMERATOR, UNF/VHF SWEEP GEMERATOR, HF GEMERATOR, SIGNAL FUNCTION
A011035 1935	1935		2005	08098	970	=	VOLTHETER, AC TRUE RNS		
6032023 2099	503		2006	27593	070			* * * 5	FREQUENCY NETER B FREQUENCY NETER C FREQUENCY NETER D
A013030 1936	1936		2007	27591	620			? =	VOLTMETER. RF VOLTMETER. DIFFERENTIAL
A012030 1330	1330		102	04237	200			2	MULTIMETER, DIGITAL MANDHELD
A041057 2001	1002		201	16152	077			6 2	MULTINETER. DIGITAL
P010119 1674	1634		20108060	28480	900	5	AUDIO OSCILLATOR		
A012021 3704	3704		5019	03626	866	67	MULTIMETER, DIGITAL		
2116 3600000	3745		Z02A	28480	7 10			2	GENERATOR. SIGNAL FUNCTION
A012024 1769	1769		8202	20400	1 50			66	SIGNAL GENERATOR, MF Audio Oscillator
2007 6001605	2002		2028	05157	077			62	HULTINETER. DIGITAL
0010048 1635	16 15		202E	28480	901	2	GENERATOR, SIGNAL, VHF		
9251 4006 208	1526		1202	10106	806	3	PHASE METER		
1691 6010100	1637		201A	28480	900	5	AUDIO OSCILLATOR		
AG32008 1315	315		2501115	07239	\$20			% ~	INSULATION, TEST SFT MECOHMMETER
A032030 4788	4788		210400	***	6 7 0			28	NECOMMETÉR Insulation, test set
C020036 1527	1251		211	80008	089	2	OSCILLOSCOPE, OC-15MH1		
0010051 1630	16 36		211A	28480	901	=	GENERATOR, SIGNAL, VHF		·
8022002 1437	1437		21159	07239	025			26	HEGHAMETER Insulation, test set

PART II TMDE CROSS-REFERENCE LIST GENERAL PURPOSE THDE 075 ETE SPECIFICATIONS

I NDE X NUMBE R	1 HDE	T V PE DESIGNATOR	HFG MADEL NR	FSCH	FAN	FUN PV	FUNCTIOMALLY COMPATIBLE By Spec nr and Spec name	PARTIALLY COMPATIBLE By Spec Mr and Spec name
8022001 4793	4793		212A.R.C	07342 074	974	9	VECTOR VOLTMETER	
9614 6500203	4796		213	80000 089	689	2	OSCILLOSCOPE, DC-15MHZ	
0050044 1850	1850		9138	28480 050	020	5	GENERATOR, SIGNAL, PULSE	
0050031 334A	1348		215A	28480 050	050	š	GENERATOR, SIGNAL, PULSE	
0050027 3253	1253		214AC38	28480	050			19 GENERATOR, SIGNAL FUNCTION 04 GENERATOR, SIGNAL, PULSE
L100020 4420	4420		215	28569 042	240	\$	SENICOMDUCTOR TEST SET	
0050042 1851	1881		216A	28480 050	020			04 GENERATOR, SIGNAL, PULSE
1130003 4874	1874		210	06811 050	020			04 GENERATOR, SIGNAL, PULSE
D060038	1652		218A	28460 050	050	5	GENERATOR, SIGNAL, PULSE	
	1224		222	57737 029	670	27	ne cumme t e r	
0050053 1853	1853		222A	28480	050	5	GENERATOR, SIGNAL, PULSE	
8751 9100703	1528		2244	18778 089	680	2	OSCILLOSCOPE, DC-15MH2	
4041036 1332	2111		230	25026 032	210	82	MULTIMETER, DIGITAL HANDMELD	
A031040 1333	1333		2318	11837 008	•00		?	25 BRIDGE, UNIVERSAL
L100003 2508	2508		240	93346 045	6:0	;	SEMICOMDUCTOR TEST SET	
A013032 4786	4786		24010	28480 078	070		?	29 MULTINETER, DIGITAL
A012039 1937	1161		24300	31922 077	110	52	MULTIMETER. DIGITAL	
8022024 4774	+124		24485	13637 074	170	8	VECTOR VOLTMETER	
8022002	1438		24421	03626 998	866	62	MULTIMETER, DIGITAL	
C 020017 1529	1529		247	82573	690	21	OSCILLOSCOPE, DC-15AHZ	
1012 6202600	1012		2470350	49673 998	866			89 GAUSS METER
K 090077 2372	2372		\$\$	04773	771			73 DEAL EQUIPMENT TEST SET
MO11068 1530	1530		250	05606 038	900	9	PHASE METER	i
\$CC1 C00770#	1334		7504	04901 022	2 7 0			25 BRIDGE, UNIVERSAL
9841 9100103	1486		752100	96795	920	-	OSCILLOGRAPHIC RECORDER A	

THDE CROSS-REFERENCE LIST	SPECIFICATIONS
ERENCE	IS EIE
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THDE CRE	PURPOSE
PART 11	GENERAL

INDEX THDE TYPE Munber 10 Dfsignator Ad31004 2004	NFG MODEL MR 255	F5CN 04237	FAN CODE 035	# 7 F	FUNCTIONALLY COMPATIBLE By Spec Mr and Spec Mane	PARTI BY SP 31 0	PARTIALLY COMPATIBLE By Spec Mr and Spec Name 31 dhmmeter, earth tester
2017 0201609	2590A	28480	125	\$	FREG CMTR(300KHZ-18GHZ RF PULSE)		ULTIMETER, DIGITAL MANDHELD
B023004 1531	2404	04401	7 40			93	O-METER
A641063 1336	2605	92056	260			20 H	MULTIMETER, DIGITAL HANDHELD VOLTNETER, AC TRUE RMS
A043045 1377	2610	14031	032	62	HULTIMETER, DIGITAL		
A041065 4563	2612	55056	032			2 5 7 F 8 7	MULTIMETER, DIGITAL HAMDHELD MULTIMETER, DIGITAL VOLTHETER, AC TRUE RMS
8023004 1532	265A	35225	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MH2		
DO10113 1667	2650A	28480	053			2750	GEMERATOR, SIGNAL, UNF Signal Gemerator, She H Signal Gemerator, She A Signal Gemerator, She B
9022011 1447	2700	09553	8	52	BRIDGE, UNIVERSAL		
NO24024 3519	2737	01210	8			22 23 4	MULTIMETER, DIGITAL MANDHELD Anneter, AC, CLANP-ON
0251 5000500	2755	91210	111	32	TACHONETER ELECTRONIC		
0020609 3521	2783	91710	111	35	TACHOMETER ELECTRONIC		
***************************************	2802A01	28480	070			1 96	TEMPERATURE INDICATOR
1011073 1811	283	0800	032	٤2	MULTIMETER, DIGITAL		
8022020 3350	2404410	11837	000	52	BRIDGE, UNIVERSAL		
0000034 1840	1067	60009	240	ទ	GENERATOR, SIGNAL, PULSE		
A012024 1770	V162	12190	866	•	FREGUENCY METER 8		
A011034 2006	2918712417	19500	076	7	VALTMETER, AC TRUE RMS		
0070026 1855	297A	28480	075	9	VOICE BAND AMALYZER		
C012050 3127	143	80009	690	15	OSCILLOSCOPE, DC-15MHZ	;	
4216 250260)	346	80000	000	21	OSCILLOSCOPE, OC-15MHZ		
6035051 3325	147	80000	089	15	05C1LL0SCOPE, DC-15MH2		

PART II TNDE CROSS-NEFERENCE LIST General Purpose tnde ots ete specifications

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I MDE X MUNDE R	ž e	tvpe Df Si gmator	NFG HADEL WR	FSCH	FAN	FC	FUNCTIONALLY COMPATIBLE BY SPEC MR AND SPEC MAME	# > d	PARTIALLY COMPATIBLE By Spec nr and Spec name
A011047 1343	33		3016	60741	710			28 23	MULTIMETER, DIGITAL HANDHELD Anneter, AC, Clanp-on
A043015 1344	1344		111	55026	032			8.2	HULTIMETER, DIGITAL HANDHELD
A041034 1345	1345		30	55026	032			26 27 28 29 41	IMSULATION, TEST SET NECOMMETER MULTIMETER, DIGITAL MANDHELD VOLIMETER, AC TRUE RMS
0900100	1640		3134	28480 056	926			3	SIGNAL GENERATOR, TRACKING
8022012 3592	3592		1154	11837	800	\$2	BRIDGE, UNIVERSAL		
A011035 4535	4515		316	\$0423 076	920	7	VOLTHETER, AC TRUE RNS		
A011054 2011	1102		31652	50423 998	866			7	VOLTMETER, AC TRUE RMS
A012022 1939	1919		32026	28569	110			62 2	MULTIMETER, DIGITAL Insulation, Test Set
C010004 1576	1516		122A	15859	910	7	OSCILLOGRAPHIC RECORDER A	8	OSCILLOGRAPHIC RECORDER B
A011051 1537	1537		121	80000	680	2	OSCILLOSCOPE, DC-15MHZ		
C020000 2012	2102		323	50423	080	7	VOLTMETER. AC TRUE RMS		
C020061 4579	4579		326	80008	680	2	OSCILLOSCOPE, OC-15MHZ		
F020001 1772	1172		330	21354 111	===			6	VIBRATION TEST SET
0080059 1843	1843		108801	28480	906			2 2	SWEEP GENERATOR, HF GENERATOR, SIGNAL FUNCTION
141 +200100	191		3301A	28480	250	5	GENERATOR, SIGNAL FUNCTION		
2+01 6500000	1842		13104	28480	150	2	GEMERATOR, SIGNAL FUNCTION		
0000000 4434	4634		33108	28480	7 %	2	CEMERATOR, SIGNAL FUNCTION		
0040012 4673	4873		3320807	28480	5			25	GEMERATOR, SIGNAL FUNCTION Gemprator, Signal, Pulse
0060068 4613	1613		33308	28480	052			50	GENERATOR, SIGNAL FUNCTION Sweep Generator, MF
C050017 3357	1359		1144	28480	10	2	DISTORTION AMALVER		,
HO11022 1456	1456		1354	171 96560	171			90	VOLINETER, DIFFERENTIAL
6032010 1773	1773		911	65092 020	070			;	FREQUENCY METER A

LIST 06/25/80 Specifications	PARTIALLY COMPATIBLE By Spec nr and Spec name	40 FREGUENCY METER B	13 SIGNAL GENERATOR, THER MUISEB 14 SIGNAL GENERATOR, THER MUISEB		41 VOLTNETER, AC TRUE RMS	41 VOLTHETER, AC TRUE RMS				MOISEA								O4 GENERATOR, SIGNAL, PULSE		29 MULTINETER, DIGITAL				29 NULTIMETER, DIGITAL	<i>;</i>		
PART II THOE CROSS-REFERENCE LIST General Purpose thoe ots ete specifi	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME			41 VOLTHETER, AC TRUE RHS			29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL	13 SIGNAL GENERATOR, THER MOISEA	29 MULTINETER, DIGITAL	29 MULTINETER, DIGITAL	29 MULTIMETER, DIGITAL	29 MATINETER, DIGITAL	29 MULTIMETER, DIGITAL	29 MULTINETER, DIGITAL	29 MULTIMETER, DIGITAL		29 MULTIMETER, DIGITAL		29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL		29 MULTINETER, DIGITAL	29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL
PART 11 General	FSCM CODE		28480 033	28480 080	28480 080	65092 080	28480 078	28480 078	28480 078	28480 998	28480 077	28480 032	28480 032	28480 076	28480 076	26480 076	28480 032	95110 668	28480 078	28480 078	28480 032	28480 078	28480 078	28480 032	28480 998	28480 032	26480 078
	NFG HODEL NR		3408	3400AY10	14030	141	1430A	14394	3439AC28	144A	14434	3444	1444415	3445A	3445AC06	3446A	1450A	14500	3455A	1460RH23	3465A	34658	1466AL15	14694	1470A	147034	3480A
	F TYPE OF SIGNATOR				•		~	•	~	•	_	•	-	•	•	.	e	•	_	ıc.	~		۵	e	•	_	•
	1 MOF		× 11 9	011053 2574	0461 9	013028 2014	2 1942	0410AB 4565	2621 8	\$211 (00090	194	041040 1395	1621 (1915 1944	020028 1978	913016 1945	1 1 396	184	2 4843	013029 17R5	2 4562	041072 5157	434	041001 1398	1 1399	1454 1	161 4
	MDEX		013036	01105	013026	20610	210210	04106	041068	00090	160210	04104	031033	10610	02005	01301	043013		220100	20610	041062	04107	041076 4846	04100	041001	190110	012004 1946

PART II TMDE CROSS-REFERENCE LIST GEMERAL PURPUSE TMDE OTS ETE SPECIFICATIONS

I NDEX TI	TNDE TYPE ED DFSIGNATOR	MFG MODEL NR	FSCM	FAH COOE	FUNC	FUNCTIONALLY COMPATABLE By Spec MR and Spec Name	PARTIA BY SPE	PARTIALLY COMPATABLE By Spec nr and Spec name
A043064 1400	00+	34800	28480 078	970	62	MULTIMETER, DIGITAL		
A012007 4539	539	3482A	28480	870	6 2	MULTIMETER, DIGITAL		
A043063 4569	549	34844	28480	250	52	MULTIMETER, DIGITAL		
A043019 1401	101	3490ADPT10N06	28480	070	62	MULTIMETER, DIGITAL		
L150019 2449	***	350334	97312	220			36	TURE TESTER
F070005 2713	713	350334	97312	072			36 10	TUBE TESTER
A013039 2015	919	15\$	50423	920			41 VO 29 MU	VOLTMETER, AC TRUE RNS Multimeter, digital
C040064 1669	649	3570A	28480 059	059	69	SPECTRUM AMALYZER, LOW FREG		
A011027 4531	531	35410	28480	910	9	VOICE BAND AMALYZER		
A011023 1947	146	3591A	28480	110	02	VOLTHETER. FREQUENCY SELECTIVE	86 VO	VOICE BAND AMALYZER Spectrum amalyzer, low freg
1291 8500503	17.6	3594A	26460	059			66 ST	SPECTRUM AMALYZER, LDW FREG Voice band analyzer Spectrum analyzer, rf
A032008 1317	117	J4C	30119	966			26 IN	INSULATION, TEST SET MEGOMMMETER
C020000 1762	762	36FE		1113	35	TACHOMETER ELECTRONIC		
A031030 1347	147	362	\$5056	035	30	OHMMETER		
NO11022 344A	448	36949801	02731	866			1A 26	VIRRATION TEST SET
A020030 4546	34\$	370	65092	100			23 AM 28 MU	AMMETER, AC. CLAMP-DN Multimeter, digital Handheld
C040000 0561	561	3701A	28480	030	26	MICROWAVE LINK ANKLYZER		
A031031 4553	553	372	55026	035	92	MULTIMETER, DIGITAL HANDHELD		
0050020 4610	910	1722A	28480	055			12 22	SIGMAL GEMERATOR, TMER NDISEB Sigmal Gemerator, tmer ndiseb
A020008 3709	70%	171	55026	100	2	ANNETER, AC, CLAMP-UN	;	
C040089 3719	71.9	A7874	26480	030	96	MICROWAVE LIMK AMALYZER		
C0400000 420)	50)	1744A	28480 052	750	02	SWEEP GENERATOR, HF		

THDE CROSS-REFERENCE LIST	SPECIFICATIONS
FERENCE	OTS ETE
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PART 11	GENFRAL

PARTIALLY COMPATIBLE By Spec nr and Spec name			25 BRIDGE, UNIVERSAL		35 TELETYPE TEST SET				47 FREQUENCY METER A						26 INSULATION, TEST SET 27 HEGOHMMETER	28 MULTINETER, DIGITAL HANDHELD	29 MULTINETER, DIGITAL		29 MULTIMETER, DIGITAL				,	29 MULTIMETER, DIGITAL	
FUNCTIONALLY COMPATIBLE By Spec nr and Spec Hame	70 VOLTHETER, FREQUENCY SELECTIVE	72 DATA ERROR TEST SET		29 MULTIHETER, DIGITAL	34 TELETYPE TEST SET GENERATOR	41 VOLINETER, AC TRUE RMS	41 VOLTHETER, AC TRUE RMS	41 VOLIMETER, AC TRUE RMS		21 SWEEP GENERATOR, SHF	26 INSULATION, TEST SET	26 INSULATION, TEST SET	29 MULIINETER, DIGITAL	18 GENERATOR, SIGNAL, VHF		29 HULTIMETER, DIGITAL		26 INSULATION, TEST SET		79 TELEVISION GENERATOR A	69 STANDING WAVE RATIO (SWR) METER	69 STANDING WAVE RATIO (SHR) METER	69 STANDING WAVE RATIO (SWR) METER		29 MULTIMETER, DIGITAL
FSCM CODE	28480 110	28480 013	92056 008	21793 032	15230 067	28480 076	26460 076	28480 076	80053 020	650 01126	04237 025	04237 025	28480 998	965 91 296	30119 025	38474 077	60164 003	64237 025	28480 077	990 86090	26480 998	28480 063	28480 063	80164 003	80164 003
MFG MODEL WR	3745A	JTAOA	3838	18604	400	400£	400FL	4 00HR	101	+0+	+0+	4045	405BR	4064	1001	41137	415	412	4144	415	4156607	415710	4164	417	41729
INDEX INDETYPE NUMBER ID DESIGNATOR	K070036 5159	6050069 4661	8021001 4571	A043052 1402	K100026 2511	A011013 2061	A011014 2063	A011068 3361	D060020 1726	0060020 1857	A012029 4556	A032005 1403	A011014 2064	1858	A032017 1318	A012015 2017	A032023 2065	A020011 4554	A043002 3569	0060044 1859	£013017 0494	8010016 3320	8010002 1349	A020014 2016	A020015 2017

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PARTIALLY COMPATIBLE By Spec nr and Spec name	29 MULTIMETER, DIGITAL	62 POWER METER, RF IN-LINE	63 POWER METER, SHF			29 HULTIMETER, DIGITAL	29 NULTIMETER, DIGITAL	28 MULTIMETER, DIGITAL HANDHELD 51 VOLTMETER, AC TRUE RMS	25 BRIDGE, UNIVERSAL	23 AMMETER, AC, CLAMP-ON	25 BRIDGE, UNIVERSAL	41 VOLTHETER, AC TRUE RMS	29 MULTIMETER, DIGITAL	29 MULTIMETER, DIGITAL				21 SWEEP GENERATOR, SHF 22 SWEEP GENERATOR, UHF/VHF		63 POWER METER, SHF			,		
FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME				AUDIO OSCILLATOR	OSCILLOSCOPE, OC-15MHZ										HULTINETER. DIGITAL	POWER METER, SHF	POWER METER, SHF		POWER HETER, SHF		POWER NETER, SHF	MULTIMETER, DIGITAL	VOLTHETER, AC TRUE RMS	VOLTHETER, AC TRUE RMS	AMMETER. AC. CLAMP-ON
FAN FL	77	082	150	10 40	15 690	2	11	200	800	100	800	920	032	07.7	078 29	041 63	41 63		041 63	7	041 63	012 29	076 41	076 41	001 23
FSCN C	28480 077	04401	0 10610	28480 006	80009	28480 077	28480 077	28480 0	31922 0	28480 0	31922 0	0 26059	65092 0	65092 0	65092 0	28480 0	28480 041	93459 0	28480 0	28480 041	28480 0	21793 0	65092 0	65092 0	65092 0
NFG HODEL NR	4194	42B	4280	4204A	4221258	425A	425AR	4534	4271	4284	4285	430	430	410	410	4 108	431CY10	4310AK16P	432AE12	4324001	4778	+25+	111	4314	4114
5																									
TYPE DF S I GNA I OR																									
THDE TYPE ID DESIGNAL	A042001 1350	E013059 4009	E013026 4886	0010156 1845	C020032 1538	A042008 1351	2511 E10250V	A043016 1353	4031043 1405	A020002 2018	A0100001 1948	A012036 0559	A011057 1354	1202 610250W	A012013 4540	E013035 1728	F013002 4127	0010160 4602	£012015 4125	6693044 4638	6013056 1730	A043056 140%	A011048 2023	A020016 1750	A011049 1951

PART II THDE CROSS-REFERÊNCE LIST GEMERAL PURPUSE THDE UTS ETE SPECIFICATIONS

FSCH CODE BY SPEC NR AND SPEC NAME 65092 076 41 VOLTHETER, AC TRUE RMS 65092 001 23 AMHETER, AC, CLAMP-ON
65092 001
28480 010
28480 042
28480 041
28480 041
866 59888
8665 998
140 66866
29318 032
866 69582
11332 041
21793 018
160 6000#
060 60009
060 60008
111 26910
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55026 032
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ANDEX THE	Type			FAN					
CI XJBLOX	DF S I GMA TOR	HFG NADEL NR	FSCH	COOE	PUNCT BY SPE	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	Ž	PARTIALLY COMPATIBLE BY SPEC NR AND SPEC MALE	
C020063 4560		1650407	80008	2	:				
C020062 3188		444				USCILLOSCOPE, DUAL TRACE, DCIODINZ			
0010123 1642		47941000			\$2 OS	OSCILLOSCOPE. DUAL TRACE. DC100MHZ			
				201			15	GENERATOR, mur	
D080022 1861		470A1800	94668 107	101	3		1.7		
1408		4735	11023			VENERATOR, STONAL, SUHF			
4041001 1400			77.75	9			\$2	BRIDGE - UNIVERSAL	
1017		4 400	21793	970	29 MUL	MOLTONE DATA	3	ensulation, 1851 Set	
A017004 1955		164	03676	476					
8022017 1490		48184				"OL! DETER, DIGITAL			
A013003 1956		;			84 VEC	VECTOR IMPEDANCE METER B			
		4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	03626	078	29 HUL	MULTIMETER, DIGITAL			
#1 54 1200202		185	8 0000	085	S6 0SC	OSCILLOSCOPE, BC-SOOMIN			
011077 4840		44044	26480 009		BB CAB	CABLE TEST SET STARS			
A933063 4557		4910A	28480	000					
A033012 1412		4010+	28480 000			LABLE FEST SET (TOR)			
A033022 4558		40104					8	CABLE TEST SET (TOR)	
			28480 (600					
C050004 1650		47404	446				=======================================	CABLE TEST SET (TOR) Transmission test set	
C050020 4871				74 +1		TRANSMISSION TEST SET			
K090087 4914		500TOLAT		79 170		TRANSMISSION TEST SET			
C012084 4042		474 14010	28480 0	071 82		TRANSHISSION TEST SET			
103101 10P		3A14N	80000 000	15 66		OSCILLOSCOPE, DC-15MH2			
/461 610664		5A16N	0 60008	089 51	-	DSCILLOSCOPE DC-15MHZ			
1980 1989		5A21H	0 60000	15 680		DSCILLOSCOPE, DC-15MH2			
9451 0101107		26108	69000 089	15 61	_	05C14.Q5CQFE + 0C-15HHJ			
(044102 401)		H2185	80000 089	15 6		DSCILLOSCOPE, DC-15HHZ			
9444 70101		% 4M	60000 059	ę			,		
603202# 1735		500A	28480 020	•		65		SPECTRUM ANALYZER, LOW FREG	•
				ı		87		FREQUENCY METER A	

48 FREQUENCY METER &

PART II TNDE CROSS-REFERENCE LIS) Gemeral Purpose tyde ots fte specyficatioms

INDEX	TMDE TYPE ID DESI	TYPE DF SIGNATOR	HFG HDDFL NR	FSCH	FAN	5 5	FUNCTIONALLY COMPATBBLE By Spec nr and Spec name	4 5	PARTIALLY COMPATIBLE By Spec nr and Spec name
6032055 3364	3364		500BR	28480	070			•	FREQUENCY METER B
0010014 3548	3548		2005	28480	•			~	TACHONETER ELECTRONIC
A043055 1413	1413		151250005	21793	070	2	MULTIMETER, DIGITAL		
A011056 1957	1957		10005	13643	910	٤	MULTIMETER, DIGITAL		
L080006 4711	1111		1 0000 5	32626	1 20	==	LOGIC AMALYZER		
1010000 1010	•10+		5004A	20400	770			22	LOGIC ANALYZER
L060005 2545	2545		50117	28480	270			11	LUGIC ANALYZER
A042017 1441	***		501103	42424	210	28	HULTINETER, DIGITAL HANDHELD	٤2	MULTIMETER, DIGITAL
C030019 3649	3649		\$02A	60009	8	23	DSCILLOSCOPE, DUAL TRACE, DC 100MHZ		
6032029 2104	¥017		+205	20905	070	;	FIELD STRENGTH NETER 8		
2961 +100800	1862		304	10501	6,7	2	GENERATOR, SIGNAL FUNCTION		
\$441 1001603	**		510 MD12	80004	000	23	OSCILLOSCOPE, DUAL TRACE, DC400MH2		
0020002 004	0		\$105A	90138	055			2	SIGNAL GENERATOR, THER HUISEA
	9		\$10545110R	20480	•			123	AUDIO OSCILLATOR Signal Generator, hf Signal Generator, vmf a Generator,signal,vhf
6032029 2105	2105		51104	28480 998	866			3	FIELD STRENGTH METER A
0040039 1847	1947		\$1108	28480	1 50			100	AUDIG GSCILLATOR SIGNAL GENERATOR, HF
0050015 5175	\$1.75		5124	28480	910	\$	UNIVERSAL COUNTER LDC TO SOOMH2)		
2031012 1717	11.11		5128	28480	910	25	UNIVERSAL COUNTER 1DC TO 500MH21		
AG20001 4543	1543		2130	15309	032			82	HULTIMETER, DIGITAL HANDHELD
C020037 1493	1493		514AD	80008	680	21	OSCILLOSCOPE, DC-15MH2		
C020024 1494	1494		515	60009	680	2	OSCILLOSCOPE, DC-15MH7		
C020013 1495	1495		5154	60008	680	2	OSCILLOSCOPE, OC-15MM2		<i>;</i>
C020020 1444	1496		41.5	80009	680	2	NSC1LL0SCOPE, DC-15MW		
A013025 1958	1958		518	49932	920			9.7	MULTIMETER, DIGITAL MANDMELD

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RENCE	S ETE
FE	5
THUE CRUSS-REFERENCE	TMDE
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THOE	PURP
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4413617 4442 5211 5211 5211 5211 5211 5211 5211	HUNGE R	<u> </u>	tvpe df sigmator	MFG HABEL NR	FSCH	FAM	2 ×	FUNCTIOMALLY COMPATIBLE BY SPEC NR AND SPEC NAME BY SPEC NR AND SPEC NAME
7216 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7210A 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7220A 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7220A 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7221A 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7221B 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7240D 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7240D 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7240D 20400 010 57 UNIVERSAL COUNTER TOC TO 500ML21 7250D 725	2	2454		5203	33266	970		
92104 20440 010 57 UNIVERSAL COUNTER 10C TO 500HH21 PLOND HERE TO	=	2211		521A	28460		23	UNIVERSAL COUNTER (DC TO 500NHZ)
5210A 28440 018 57 UNIVERSAL COUNTER 10C TO 500HL21	*	2122		3126	28480		2	COUNTER INC
5228R 28440 018 ST UNIVERSAL COUNTER 10C TO 500HL21 5221A 28440 018 ST UNIVERSAL COUNTER 10C TO 500HL21 5221A 28440 018 ST UNIVERSAL COUNTER 10C TO 500HL21 571B 28440 018 ST UNIVERSAL COUNTER 10C TO 500HL21 571AD 28440 018 ST UNIVERSAL COUNTER 10C TO 500HL21 571AD 28440 018 ST UNIVERSAL COUNTER 10C TO 500HL21 571AB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572A 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572AB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572AB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572AB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572BB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572BB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572BB 28480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 572BB 38480 018 ST UNIVERSAL COUNTER 10C TO 500HL21 57AB 49 SENICONOGE TO 500HL21 57AB 5000HL03 COUNTER 10C TO 500HL21 57AB	~	7694		5210A	28480			FREOVENCY HETER
52208 284.00 018 57 UNIVERSAL COUNTER 10C TO 500MH21 52218 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5218 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5218 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5240 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5248 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 284.80 018 57 UNIVERSAL COUNTER 10C TO 500MH21 5256 2856 58 FREQUENCY COUNTER 10C TO 500MH21 527 1937 620 528 48 FREQUENCY COUNTER 10C TO 500MH21 570 80009 619 570 80009 619 57 UNIVERSAL COUNTER 10C TO 500MH21 570 80009	%	2107		5216A	28480		25	COUNTER
521h 2440 016 57 UNIVERSAL COUNTER 1DC 7D 500HL21 521h 2440 016 57 UNIVERSAL COUNTER 1DC 7D 500HL21 524D 80009 089 51 GSCILLGSCOPE, DC-15HL2 524D 80009 089 51 GSCILLGSCOPE, DC-15HL2 524M 22440 016 57 UNIVERSAL COUNTER 1DC 7D 500HL21 524M 22440 016 57 UNIVERSAL COUNTER 1DC 7D 500HL21 524M 22440 016 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22440 018 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 018 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 018 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 525M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 527M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 527M 22480 019 57 UNIVERSAL COUNTER 1DC 7D 500HL21 5300A 2440 042 04 58H1COHDUCTOR 1EST 5ET 5300A 2440 042 04 58H1COHDUCTOR 1EST 5ET 530A 2440 018 57 UNIVERSAL COUNTER 1DC 7D 500HL21	?	2213		52.2BR	28480		23	COUNTER COC
5218 2840 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5218 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5240 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5248 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 018 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 019 57 UNIVERSAL COUNTER 10C TO 500H42) 5258 28400 019 57 UNIVERSAL COUNTER 10C TO 500H42) 5259 28400 019 58 FREQUENCY COUNTER 10C TO 500H42) 5250 38400 019 58 FREQUENCY COUNTER 10C TO 500H42) 5250 38400 019 58 FREQUENCY COUNTER 10C TO 500H42) 5270 80000 089 51 OSCILLOSCOPE, DC-15HH7 5300 80000 089 51 UNIVERSAL COUNTER 10C TO 500H42) 53010 810 87 UNIVERSAL COUNTER 10C TO 500H42) 53010 810 87 UNIVERSAL COUNTER 10C TO 500H42) 53010 810 810 WINTERSAL COUNTER 10C TO 500H42)	120	2108		\$221A	28480		23	COUNTER LOC TO
5240 52440 6009 089 51 GSCILLGSCORE, DC-13NLL 5240 5248 52480 5248	9	2 109		92218	28460		23	UMIYERSAL COUNTER IDC TO 500MILI
924AD 80009 689 \$1 GSCILLGSCOPE, DC-13MHZ 574D 28480 018 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 574SLC27 28480 018 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 5248N 28480 018 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 425A 28480 018 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 525A 28480 018 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 525A 28480 018 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 525A 28480 019 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 525A 28480 019 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 570A 19397 020 \$7 UNIVERSAL COUNTER (DC TO 300MHZ) 570A 80009 049 \$1 05CILLGSCOPE, DC-13MHZ 570A 80009 049 \$1 05CILLGSCOPE, DC-13MHZ 570A 80009 049 \$1 05CILLGSCOPE, DC-13MHZ 570A 90	2 90	\$177		95.18	28480		2	UNIVERSAL COUNTER (DC TO SOOM)?)
5240 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5245LC27 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5248H 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 4256A 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5258A 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5258A 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5258A 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5258A 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5258A 28460 018 57 UNIVERSAL COUNTER LOC TO SOOML2) 5258A 19397 020 58 FREQUENCY COUNTER LOC TO SOOML2) 5700 00009 089 51 GSCILLOSCOPE, DC-15ML7 570 00204 089 51 GSCILLOSCOPE, DC-15ML7 570 0	640	1497		924AD	80009		15	OSCILLOSCOPE, DC-15HHZ
5248M 2446 016 57 UNIVERSAL COUNTER 10C TO 500ML2) 5248M 2446 016 57 UNIVERSAL COUNTER 10C TO 500ML2) 5256 28460 016 57 UNIVERSAL COUNTER 10C TO 500ML2) 5258 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 5258A 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 5258A 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 5258A 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 5258A 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 5274 19397 020 52840 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 539 80009 089 51 OSCILLOSCOPE, DC-15ML/ 530 04246 042 59 SEMICOMDUCTOR TEST SET 530 A 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2) 5301A 28460 018 57 UNIVERSAL COUNTER 10C TO 500ML2)	210	1719		9540	26460		23	UNIVERSAL COUNTER IDC TO SOOMED
5248H 5246H 5256 28480 018 57 UNIVERSAL COUNTER IDC TO 500HHZ) 5258 28480 018 57 UNIVERSAL COUNTER IDC TO 500HHZ) 5258 28480 018 57 UNIVERSAL COUNTER IDC TO 500HHZ) 5258A 28480 019 57 UNIVERSAL COUNTER IDC TO 500HHZ) 5258A 28480 019 58 FREGUENCY COUNTER IDC TO 500HHZ) 5258A 5258A 58480 019 58 FREGUENCY COUNTER IDC TO 500HHZ) 570A 570B 570B 570B 570B 570B 570B 570B 570B	934	2113		5245LC27	28480		23	UNIVERSAL COUNTER IDC TO 500M121
925C 28460 016 57 UNIVERSAL COUNTER 10C 10 500ML2) 925A 28460 125 59 FREG CNTR(300KHZ-18GHZ RF PULSE) 925A 28480 018 57 UNIVERSAL COUNTER 10C 10 500ML2) 925AA 28480 019 57 UNIVERSAL COUNTER 10C 10 500ML2) 925AA 19397 020 57 UNIVERSAL COUNTER 10C 10 500ML2) 927A 19397 020 50 FREQUENCY COUNTER 10C 150 500ML2) 927B 80009 089 51 OSCILLOSCOPE, DC-15ML7 579 80009 089 51 OSCILLOSCOPE, DC-15ML7 530 80009 089 51 OSCILLOSCOPE, DC-15ML7	200	2110		5248H	28480		25	COUNTER 10C TO
1256A 28480 125 59 FREQ CNIR(1300KHZ-186HZ RF PULSE) 28480 018 57 UNIVERSAL COUNTER 1DC 10 500MHZ) 5250A 28480 019 57 UNIVERSAL COUNTER 1DC 10 500MHZ) 19397 020 5250A 19397 020 5860UEMCY COUNTER(10HZ TO 186HZ) 19998 19998 58 FREQUENCY RETER 19998 59 FREQUENCY RETER 59 FREQUENCY RETER 510 52046 042 94 5611CONDUCTOR FEST SET 5300A 28480 018 57 UNIVERSAL COUNTER 1DC TO 500MHZ) 5303A 28480 018 57 UNIVERSAL COUNTER 1DC TO 500MHZ) 5303A 58480 018 57 UNIVERSAL COUNTER 1DC TO 500MHZ) 5303A 58480 018 57 UNIVERSAL COUNTER 1DC TO 500MHZ) 5303A 58480 018 57 UNIVERSAL COUNTER 1DC TO 500MHZ) 5303A 58480 68880	1	1740		325C	28480		23	UNIVERSAL COUNTER IDC TO 500HHZ)
5258 28460 018 57 UNIVERSAL COUNTER LDC TO 500M42) 5250A 28460 019 58 FREQUENCY COUNTER LIOHZ TO 186M2) 5260A 28460 019 58 FREQUENCY COUNTER LIOHZ TO 186M2) 527A 19397 020	92	11.22		4256A	28480		29	FREG CHTR(300KHZ-18GHZ RF PULSE)
5250A 28480 019 SR FREQUENCY COUNTERTIONZ TO 186H27 526DA 28480 019 SR FREQUENCY COUNTERTIONZ TO 186H27 527A 19397 020 527A 19	3	28.22		9258	28480		2	UNIVERSAL COUNTER IDC 10 SOOMIZ?
5260A 28480 019 SB FREQUENCY COUNTERCION? TO 18642) 527A 19397 020 527A 19397 020 5280 80009 089 S1 0SCILLOSCOPE, DC-15M17 579 80009 089 S1 0SCILLOSCOPE, DC-15M17 570 04246 042 94 SEMICONDUCTOR TEST SET 5300A 28480 018 S7 UNIVERSAL COUNTER (DC TO 500M12)	2	2233		\$25#A	28480	910	25	
\$27A 19397 020 \$280.00 089 \$1 0\$C1LL0\$C0PE, DC-15MH \$780.2 \$790.00 049 \$1 0\$C1LL0\$C0PE, DC-15MH \$790.00 049 \$1 0\$C1LL0\$C0PE, DC-15MH \$790.00 049 \$1 0\$C1LL0\$C0PE, DC-15MH \$790.00 04246 042 94 \$FMICONDUCTOR TEST SET \$790.00 04246 043 \$7 UNIVERSAL COUNTER TOC TO \$0.00M2)	303	11117		5260A	28480	610	2	FREQUENCY COUNTERCION? TO 18GN2)
\$780.2 80009 089 \$1 05C1LL05CDFE, DC-15MH7 \$7.9 80009 089 \$1 05C1LL05CDFE, DC-15MH7 \$7.0 04246 042 94 \$EMICOMDUCTOR TEST SET \$7.00A 28460 018 \$7 UNIVERSAL COUNTER (DC TD 500MH2) \$7.01A 28460 018 \$7 UNIVERSAL COUNTER (DC TD 500MH2)	3	4655		\$27A	16161	070		FREQUENCY NETER FREQUENCY NETER FREQUENCY NETER
579 60009 089 \$1 BSCILLBSCOPE, DC-15MHZ 510 04246 042 94 SEMICONDUCTOR TEST SET 5100A 28460 018 \$7 UMIVERSAL COUNTER (DC TO 500MHZ) 5301A 28460 018 \$7 UMIVERSAL COUNTER (DC TO 500MHZ)	113	1881		52802	€000	6 80	2	05C1LL0SCOPE, DC-15MH7
530 04246 042 94 SEMICOMDUCTOR TEST SET 5300A 28460 018 57 UMIVERSAL COUNTER (DC TO SOOM42) 5303A 28460 018 57 UMIVERSAL COUNTER (DC TO SOOM42)	700	1498		\$79	60009		21	OSCILLOSCOPE, DC-15MH?
5300A 28460 019 57 5303A 28460 018 57	7.7	4926		5.30	9+2+0		\$	
5 810 08485 A1017	2	2234		5 JOOA	28460		23	UNIVERSAL COUNTER IDC TO SOOMA2)
	173	2236		5303A	28480		2	UNIVERSAL COUNTER LDC TO SOOMA?)

PART II THDE CROSS-REFERENCE LIST GENERAL PURPUSE THDE OTS ETE SPECIFICATIONS

I NDE X NUMBE R	7 40£	TYPE DESECHATOR	4FG MADEL MR	FSCN	FAH C00E	2 ×	FUNCTIONALLY COMPATIBLE PARTIALLY COMPATIBLE BY SPEC HR AND SPEC HAME BY SPEC HR AND SPEC HAME	¥
5050005 2114	*112		5303R	28480	810	23	UMIVERSAL COUNTER IDC TO SOOMAZI	
A031019 1414	***		100	31922			25 BRIDGE, UNIVERSAL	
CO11007 1479	1439		5314	80008	680	5	OSCILLOSCOPE, DC-15MH2	
6050035 2237	2233		\$321A	28569	810	23	UNIVERSAL COUNTER (DC TO SOOMIZ)	
\$112 9200505	\$1112		51218	20400	910	23	UNIVERSAL COUNTER IDC TO 500ML)	
5050084 2132	21.12		41258	28490	910	23	UNIVERSAL COUNTER LOC TO SOOMAZI	
6056050 5168	5160		\$125AC15	28480	910	23	UNIVERSAL COUNTER LOC TO 500MHZ)	
6050004 2116	2116		\$126A	28180	910	23	UNIVERSAL COUNTER (DC 10 SOOMIZ)	
C050053 2239	68.22		5126B	28480	***	23	UNIVERSAL COUNTER 10C TO 500M12)	
K100001 2513	1152		533	58569	9.06	36	TUBE TESTER	
1991 0000503	4464		\$ 340AH10	28480	-	25	UNIVERSAL COUNTER IDC TO SOOMAZI	
1422 590050 5	1522		\$145A	28480	•	23	UNIVERSAL COUNTER (DC TO 500M12)	
0031000 1200	1 500		\$15A	₽000€	690	15	OSCILLOSCOPE, DC-15MN2	
C032003 4585	1585		93540	80003	680	21	OSCILLOSCOPE, DC-15MW2	
E033006 4588	4588		\$154T	60000		21	DSCILLOSCOPE, DC-15MH2	
1941 5001103	1961		536	40004	680	25	OSCILLOSCOPE, DC-15MM2	
NO16015 2802	709.7		5 16 A	20400	070		49 FREOUENCY NETER C 50 FREOUENCY NETER D 51 FREQUENCY NETER E 52 FREQUENCY NETER F	
2050064 2242	2242		\$ 160A	28480 019		25	UNIVERSAL COUNTER (DC TO SOOMHZ)	
2421 4201609	1742		2104	28180	610	2.0	FREQUENCY COUNTER(10MZ TO 18GMZ)	
4043033 1415	1115		2 400	21793	2 2 5	62	MULTIMETER, DICITAL	
4031003 1949	6461		54304	31922	800	52	BRIDGE. UNIVERSAL	
C031000 1505	1507		245A	80009	160	2.5	OSCILLOSCOPE, DUAL TRACE, DC100MM2	
0050035 5171	5171		546A	28480	047	6 7	GENERATOR, SIGNAL FUNCTION	
C010010 1501	1503		247	80000 001		25	OSCILLOSCOPE, DUAL TRACE, DC100MMZ	

				23	RT 11 HERAL	F 5	PART II THDE CROSS-REFERENCE LIST General purpose thde OTS ete specifications		09/52/40
I MDEX I	1 MDE	T V P.E. DE S I GMA T DR.	NFG HODEL NR	FSCM	FAN	2 7	FUNCTIONALLY COMPAISBLE By Spec Mr and Spec name	PART	PARTIALLY COMPATIBLE By Spec hr and Spec name
1.040048 4	6164		5474	28480	02.7			~	LUGIC AMALYZER
CO:1014 1504	1504		240	80009	160	23	OSCILLOSCOPE, DUAL TRACE, STORAGE		
C030056 1	1505		155	6000	0 8 0	23	OSCILLOSCOPE, DUAL TRACE, DC400MMZ		
6050031 4458	1658		5512A	20480	:	23	UNIVERSAL COUNTER (DC TO SOONH2)		
0030058 1209	1506		545	0000	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MH2		
C030024 1	1507		556	60009	160	25	OSCILLOSCOPE, BUAL TRACE, DC100MHZ		
4013034 2577	1151		2400	21793	870	62	MALTINETER, DIGITAL		
A043035 1	1356		564	65092	032	97	MULTIMETER, DIGITAL MANDHELD		
A043035 1508	1508		364	60000	690	2	OSCILLOSCOPE, DC-15HH?		
A043017 1416	116		5640	21793	078	52	MULTIMETER, DIGITAL		
C0300005 1509	1 509		\$45	80003	000	\$3	DSCILLOSCOPE, DUAL TRACE, DC400MH2		
D050037 2578	8252		570352127	21793	870	\$	MM.TIMETER, DIGITAL		
L100015 2514	1152		515	80000 045	945			;	SEMICOMOUCTOR TEST SEF
1100017 2515	\$152		576	80009	648			:	SEMICOMBUCTOR TEST SET
C030005 1510	1510		591	80009	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ		
C030021 1511	11511		585A	80009	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ		
6032056 3365	3365		587A	17327	070			20	FREQUENCY NETER D FREQUENCY NETER E
C032012 1763	1763		\$9	020 0+1+1	020			::	FIELD STRENGTH METER A FIELD STRENGTH METER B
A043050 1417	1417		\$100	21793 078	078	62	MULTIMETER. DIGITAL		
4035024	1555		60841A1106904	83298 025	920			92	INSULATION, TEST SET
A043047 1757	1357		940	1 1 2 0 9	210	9.8	MULTIMETER, DIGITAL MAMDHELD	62	MULTIMETER, DIGITAL
0013001 4755	133		400	05413	032	62	MULTIMETER, DIGITAL		
A612018 2530	1530		9009	28569 072	210	36	TUBE TESTER	;	
L.150022 2694	1692		60004	28569 072	072	36	TURE TESTER		
0010086 4599	1599		A019A	99536 106	9 01			=	GENERATOR.SIGNAL.YHF

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THDE CROSS-REFERENCE LIST	SPECI
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055-1	TROE
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PART II	GERE

TNOE X LUMBE R	7 #0£ 10	THUE TYPE ID DESIGNATUR	HFG MODEL NR	FSCM	FAN COOE	FUN	FUNCTIONALLY COMPATIBLE By Spec Mr and Spec mane	PAR S	PARTIALLY CONPATIBLE By Spec ma and Spec Mane
1043047 1358	1354		604B1A1061094	77620	866			92	INSULATION, TEST SET
1010001 1641	5		# 60 6	28469	250			5=15	SIGNAL GENERATOR, NF Generator, Signal, ynf Signal Generator, yhf a Audib Dscillator
010098 3366	3366		606CR	28480 106	106	18	GENERATOR SIGNAL . VIF		
	17:4		. 0909	26480 998	866	=	GENERATOR, SIGNAL, VHF		
033016 1359	6561		410 f н	01438 110	911			92	MATIMETER, DIGITAL HANDHELD
040053 4921	1264		6100B	12578	10	2	DISTORTION ANALYZER		
013032 1745	1745		119	10998	010	3	WATTMETER, RF		
912053 1746	1746		219	10998	040	19	WATTHETER, RF		
050012 2117	21112	•	6127	80053	910	23	UNIVERSAL COUNTER (DC TO SOOMHZ)		
050017 1747	1741	•	4114	26990	810	23	UMIVERSAL COUNTER LOC TO SOOMHII		
050011 2114	9117	-	9519	80053	010	23	UNIVERSAL COUNTER IDC TO 500MH21		
010082 1644	192	•	6168	28480	053	6	SIGNAL GEHERATOR, SHF A	8	SIGNAL GEMERATOR, SHF B
013025 1959	6561	-	417	+62+6	964			22	OHMMETER OHMMETER, EARTH TESTER
010135 1864	1961	•	61388	26480 053	053	\$6	SIGNAL GENERATOR, SHF B	~	SIGNAL GENERATOR, SHF H
0961 /(0210	0961	7	422	65092	220			82	MULTIMETER, DIGITAL HANDHELD
050015 1846	1348	7	62545	1322	050			5	GENERATOR, SIGNAL, PULSE
611 900210	1319	•	6 36400	24446 023	570	26	INSULATION, TEST SET		
041029 1360	1360	•	630	60741	966	28	MULTIMETER, DIGITAL MANDHELD	50	MULTIMETER, DIGITAL
1911 940140	1 161	•	11.9	14109	200	82	MULTIMETER, DIGITAL HANDHELD		
2422 £90050	5522	•	43164	11890	610	8	FREQUENCY COUNTERIJONS TO 186H2)		
1461 120020	1961	•	633	26069	200		•	7 62	AMMETER, AC, CLAMP-OM
245007 1362	1362	•	PALL	26069	032		~	. 92	 MULTINETER. DIGITAL MAMPMELD
050078 4662	2444	•	9401	17778	910	23	UNIVERSAL COUNTER (DC 10 500MA)		
A10087 1646	1646	J	6418	28260	103	12	SNEEP GEWERATOR, SHF		

PART II THDE CROSS-REFERENCE LIST GEMERAL PURPOSE THDE OTS ETE SPECIFICATIONS

I NDE X NUNDE R	10 10	THDE TYPE ID DESIGNATOR	MFG MODEL NR	FSCM	FAN		FUNCTSONALLY COMPATIBLE BY SPEC NR AND SPEC NAME BY	PARTIALLY COMPATIBLE By Spec mr and Spec name
0060015 1866	9981		641K	03762	104	17	SWEEP GENERATOR, SHF	
L100017 2516	2514		650	55026	86	;	SEMICONDUCTOR TEST SET	
0060024 4612	191		650	69888	640		22	1 SWEEP GENERATOR, SHF 2 SWEEP GENERATOR, UHF/VHF
D010139 1900	1900		650ARC03	28480	946	5	AUDIO OSCILLATOR	
0010025 1647	1647		651A	28460	900	5	AUDIO OSCILLATOR	
0010128 1867	1867		4518	28480	900	5	AUDIO OSCILLATOR	
F060007 3168	3168		460	18479 021	120	•	GAUSS METER	
0010164 4603	1603		6600	6988	640		~ ~ ~	21 SWEEP GENERATOR, SHF 22 SWEEP GENERATOR, UMF/VHF 19 GENERATOR, SIGNAL FUNCTION
A041038 1764	1764		44611	60741	032	8 2	MULTIMETER, DIGITAL HANDHELD 2	29 NULTINETER, DIGITAL
4041049 1365	1365		A661#1	60741	032	• 7	MULTIMETER, DIGITAL HANDMELD 2	29 MULTIMETER, DIGITAL
A041037 1418	1418		666RW669RL	17/09	032	87	MULTIMETER, DIGITAL HANDMELD ?	29 MULTIMETER, DIGITAL
F 070008 4646	4646		6740	01518 070	070		ē	96 TEMPERATURE INDICATOR
A032007 1366	1386		679	07239	025	12	ME GOMMME TER	
D010158 1869	1 169		4864	28480	866	12	SWEEP GENERATOR. SHF	
A026027 1962	1965		689	65092	966	9.7	MULTIMETER, DIGITAL MANDMELD 2	29 MULTINETER, DIGITAL
A031018 4550	4540		48924	65092	035	30	DHMMETER	
0060031 1A70	1 A 70		2169	28480	640	17	SWEEP GENERATOR, SWF	
\$060 620 1402	1905		10426491	28480	040	12	SWEEP GENERATOR, SWF	
C032031 4587	1884		7411	60009	000	\$\$	OSCILLOSCOPE, DUAL TRACE, DC100MM2	
C032024 1572	1572		7412	80000	040	*	OSCILLOSCOPE, DUAL TRACE, DC200M12	
(6))01) 157)	1571		7414	90009	160	25	DSCILLOSCOPE, DUAL TRACE, DC100MHZ	
C032027 1576	1576		7419	80009	082	\$6	OSCILLOSCOPE, DC-500MII	i
C032022 3540	3580		7424	60009	000	\$ \$	OSCILLOSCOPE, DUAL TRACE, DC100MM2	
C033003 1540	1548		1441	160 6000	160	25	DSCILLOSCOPE, DUAL TRACE, DC100M12	

PART 11 THDE CROSS-REFERENCE LIST GENERAL PURPUSE THDE OTS ETE SPECIFICATIONS

PARTIALLY COMPATIBLE By Spec mr and Spec mane						77 LOGIC ANALVZER						STANDING WAVE RATIO (SUR) METER			MULTIMETER, DIGITAL											
> # C						C AN						DING			INET											
TIALA						1001						STAN			30									;		
4 ×						2						69			62									-		
FUNCTIONALLY COMPATIBLE By Spec nr and Spec Name	DSCILLOSCOPE, DUAL TRACE, DC200MMZ	OSCILLOSCOPE, DUAL TRACE, DC200HHZ	OSCILLOSCOPE, DC-500MH2	OSCILLOSCOPE, DC-500NHZ	OSCILLOSCOPE, OC-15NHZ		OSCILLOSCOPE, DC-15NHZ	OSCILLOSCOPE, DC-15NH2	OSCILLOSCOPE, DC-500MHZ	UMIVERSAL COUNTER (DC TO SOOMH2)	SPECTRUM AMALYZER, RF		OSCILLOSCOPE, OC-15MHZ	MICROWAVE LINK AMALYZER	MULTIMETER, DIGITAL MAMDHELD	X-Y RECORDER	DATA ERROR TEST SET	X-Y RECORDER	X-Y RECORDER	OPTICAL TEST SET	VOLINETER. AC TRUE RMS	BRIDGE, UNIVERSAL	MULTINETER, DIGITAL	SPECTRUM ANALYZER, RF	GENERATOR, SIGNAL FUNCTION	MULTIMETER, DIGITAL
2 7	\$	\$	56	26	2		2	2	\$6	23	2		2	26	82	•	22	8	6	9	Ŧ	25	62	•	5	62
FAN	060	0.0	085	08.5	600	027	68	6	989	910	1 %	290	680	916	032	***	113	180	180	611	920	270	032	1 90	866	67.0
FSCA	80009 090	60008	60000	80000 085	60000	60000	800000	60009 049	60000 005	80000 018	60009	60008	80009	910 50156	29996	28480	91417 013	28480	28480	65092 119	95800 076	19409	11890	12678	866 05151	13989 078
MFG MODEL NR F	7870	9 1242	7892	7892A B	7CT [N 0	7001	8 1102	7013	7014	7015	71.13	7.18	7#11	7062HW 9	7000	7001AR 2	7003	7034A 2	7015A 2	7039960009 6	704HSR 9	7040	7050 0	1 15.01	11	7100A 1
E TVPE DFSICHATOR		•		•	•	_	•	•	•	•	~	-	•	•	•		~	•	•	•	•	•	_	•	_	~
1 MDE	157	1579	1881	4549	1583	4923	4 90	1564	158	1756	162	484	16.2	8	Ξ	=	158	151	1	Š	196)	145	~	1649	1881	142
ENDE X NUMBER	C033012 1577	1106603	C033005	C033023	C030003	1.060006	C033024 +804	C030041	C030039 1585	2000509	C040005 1627	C040105 4869	C034004 1628	DOIOIJI 1840	4042010 1419	C012003 1447	C050019 1482	C012007 4575	C012005 1448	F 0A0003 4648	A011016	A031034 1420	A041002 1421	C 040007		4012015 1422

PART 11 TMDE CROSS-REFERENCE LIST GENERAL PURPOSE TMDE OTS ETE SPECIFICATIONS

06/25/80

24655 011 25 24655 011 25 24655 011 25 80053 018 57 9 07239 008 07239 008 01113 076 41 06692 018 57 80009 094 53 06692 018 57 800693 998 13 800693 998 13 28480 051 38 04901 008 25 24480 091 52 28480 091 52 28480 121 38 04901 008 25 04901 008 25 04901 008 25 19200 996 53 193013 106 18 80009 094 53 19500 996 53	I NDEX I	THDE TYPE ID DESIG	T Y P E DF S I GMA I DR	MFG MODEL MR	FSCM	FAN	FUNC BY S	FUNCTIONALLY COMPATIBLE By Spec nr and Spec mane	4 >	PARTIALLY COMPATIBLE By Spec mr and Spec mane
7106C 24655 011 25 7175R 80053 018 57 72439 07239 008 777 01113 076 41 7700A631 94438 032 29 7718 06692 018 57 7718 06692 018 57 7750A 80053 978 7750A 80053 978 7750A 80053 978 770A 80059 978 770A 80009	0075 2	546		7150R	80053		23	UNIVERSAL COUNTER (DC TO SOOMH2)		
7175R 80053 018 57 72439 07239 008 77100A631 98438 032 29 7310B 06692 018 57 7350A 80053 998 7350A 80053 998 7350A 80053 998 7350A 80053 998 740ZA137 28480 051 740ZA137 28480 051 740ZA137 28480 091 52 740M 28480 121 30 750 04901 998 25 750 04901 998 25 750 04901 998 25 750 750 04901 998 25 750	1 9101	191		716C			52	ARIDGE, UNIVERSAL		
7277 01113 076 41 7100A631 94430 012 29 7310	7 5100	120		71758			23	UNIVERSAL COUNTER 1DC 10 500HHZ)		
727 7300A631 7300A631 7318 7318 7318 7313 7350A 7350A 7350A 7350A 73009 740 740 740 740 740 740 740 740 740 740	1 037 1	320		72439	61219				3.6	OHMMETER Ohmmeter, Earth Tester
71100A631 98438 032 29 7718 06692 018 57 7750A 80053 998 7750A 80053 998 7750A 80053 998 7702A137 28480 051 7402A137 28480 051 7402A137 28480 091 52 750 04901 998 25 750 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 49673 021 89 7507 7507 7507 998 25 7507 7507 7507 998 25 7507 7507 7507 998 25	10701	196		111	01113		7	VOLIMETER, AC TRUE RHS		
7318 06692 018 57 7750A 80053 978 7776N 80053 978 7776N 28480 051 740 7402A137 28480 051 7403N 28480 121 38 7403N 28480 121 38 750 04901 998 25 750 04901 998 25 750 750 04901 998 25 750	3040 2	840		73004631			52	MULTIMETER, DIGITAL		
7113 80009 094 53 7150A 80053 998 717CN 06692 018 57 739AR 28480 051 740 7402A137 28480 036 41 7402A137 28480 036 41 7403N 28480 036 41 7403N 28480 031 52 750 04901 998 25 750 49673 021 89 750 49673 021 89 750 49673 021 89 750 750 49673 021 89 750 750 750 998 97 7560085 19200 998 97 7560085 19200 998 53	1015 1	700		7318			23	UNIVERSAL COUNTER (DC TO SOOMHZ)		
717CM 06692 018 57 719AR 28480 051 740 21318 038 60 7408 28480 121 38 7402A137 98220 036 91 7402A137 28480 121 38 7403M 28480 121 38 750 04901 998 25 750 04901 998 25 750 750 04901 998 25 750 750 04901 998 25 750	1 1500	646		(117			53	OSCILLOSCOPE, DUALTRACE, STORAGE		
717CM 26492 018 57 739AR 28480 051 740 23338 038 60 7408 28480 121 38 7402A137 28480 036 41 7403M 28480 091 52 741M 28480 091 52 750 04901 998 25 750 49673 021 89 7505138 33013 106 18 7540045 19200 998 97 754034 3543 89 755075 19200 998 53 755075 19200 998 53	6 1100	549		7350A		906			•	FREQUENCY NETER B
740 23336 036 60 740 23336 036 60 7402A137 28460 121 38 7402A137 28480 121 38 7403M 28480 121 38 750 04901 008 25 750 04901 998 25 750 49673 021 89 750 750 49673 021 89 750 750 49673 021 89 750	1 9200	101		NJZLZ				UNIVERSAL COUNTER (DC TO 500MHZ)		
740 740B 740B 7402A137 7402A137 7402A137 7402A137 7403N 7403N 7403N 7400 7400 750 750 750 750 750 7	1 16 00	178		739AR		1 50			5 6	AUDIO OSCILLATOR Signal Generator, HF
740B 7402A137 7402A137 7402A137 7404B 7402A137 7404B 7403M 28480 091 52 741M 28480 091 52 750 750 04901 998 25 750 750 750 750 750 750 750 750 750 75	1 [102	\$14		240	23338		90	PHASE METER		
7402A137 98220 036 91 7402A137 28480 036 41 7403M 28480 121 38 750 04901 098 25 750 04901 998 25 750 49673 021 89 7507 49673 021 89 7507 7507 49673 021 89 7507 7507 7507 996 25 7507 7507 7507 996 33	1 0+0	5 96		7408	28480		3	VOLTMETER, DIFFERENTIAL		
74024137 28480 036 41 7403N 28480 091 52 7418 28480 121 38 750 04901 098 25 750 49671 021 89 7505136 33013 106 118 7550085 19200 996 97 7550085 19200 996 97 75513	•	573		7402A137	98220		5	OSCILLOGRAPHIC RECURDER A		
7403M 28480 091 52 7418 28480 121 38 750 04901 008 25 750 49673 021 89 7507408 33013 106 18 7514 80009 094 53 7560085 19200 998 97 75613 80009 094 53	1015 5	176		7402A137	28480		7	VOLIMETER, AC TRUE RMS		
750 04901 008 25 750 04901 996 25 750 49671 021 89 7505136 33013 106 118 7514 80009 094 53 7560085 19200 996 97	2 1001	711		74038	28480		25	USCILLOSCOPE, DUAL TRACE, DC100MH2		
750 04901 008 25 750 04901 998 25 750 49673 021 89 7505138 33013 106 18 7514 80009 094 53 7560045 19200 998 97 7603 80009 091 52	1 010	986		7418			36	VOLTMETER, DIFFERENTIAL		
750 49673 021 89 25 750 130513 106 118 7514 80009 094 53 7560085 19200 998 97 7560085 19200 998 97 75513 80009 091 52 75513	1004 S	127		750			\$2	BRIDGE, UNIVERSAL		
750 49673 021 89 7505138 33013 106 18 7514 80009 094 53 7560085 19200 998 97 7603 80009 091 52	-	169		750			52	ARIDGE, UNIVERSAL		
7505136 33013 106 18 7540085 19200 998 97 7603 80009 091 52	1 1066	707		750			6	GAUSS METER		
7560085 19200 998 97 7603 60009 091 52	1 8200	21.8		96.1305.2				GENERATOR, SIGNAL, VINF	=	SIGNAL GENERATOR, VHF A
7560085 19200 998 97 7603 80009 091 52	1 910	151		1514	60000		23	OSCILLOSCOPE, DUAL TRACE, STORAGE	4	
7601 80009 091 52	2 5101	112		7560085			16	VIBRATION TEST SET	•	
13 400 0000 1132	1 0001	457		7603	\$000¥		25	OSCILLOSCOPE, DUAL TRACE, DC100HHZ		
	1029 4	1961		7613	60000		\$3	OSCILLOSCOPE, DUAL TRACE, STORAGE		

PART II THDE CROSS-REFERENCE LIST GEMERAL PURPOSE TMOE OTS ETE SPECIFICATIONS

LNDEX	THDE TYPE ID DESIGNATOR	MFG HODEL NR	FSCM	FAN	FUNC	BY SPEC WR AND SPEC NAME	4 >	PARTIALLY COMPATIBLE By Spec nr and Spec Mane
0020027 4608	8094	7416	12678	055		SIGNAL GEMERATOR, THER MOISEA		
D020028 4609	+604	7617	12678 055	055	=	SIGNAL GENERATOR, THER NOISEA		
1100002 2696	5696	7620	92860 045	949			*	SEMICONDUCTOR TEST SET
4043042 1423	1423	7630	98438 032	210	62	MULTIMETER, DIGITAL		
C031028 4860	1960	763105	80000 089	690	25	OSCILLOSCOPE, DC-15HHZ		
C030036 1466	1466	7458	72314 091	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MHZ		
C030001 4582	1582	765MA	160 +6226	160	25	OSCILLOSCOPE, DUAL TRACE, DC100MM2		
8022013 1515	1515	765HIF	30669 091	160	25	OSCILLOSCOPE, DUAL TRACE, DC100NHZ		
C050075 22A3	2243	7661921	19200 998	966	4	VIBRATION TEST SET		٠
2951 8101607	1468	74.7H	72314 091	160	25	OSCILLOSCOPE, DUAL TRACE, DC10 OMH?		
A032009 1474	1424	76761	07239 025	9.29	12	MFGOHMME TER		
C012004 3560	3560	7679	07239 998	966	62	MULTIMETER, DIGITAL		
A011069 4536	1536	77000	50423 076	910	Ţ	VOLTHETER. AC TRUE RMS		
C031017 1456	9541	7704A	80009 040	060	\$	DSCILLOSCOPE, DUAL TRACE, DC200MH2		
A041050 1370	1370	119	65092 032	210	97	MULTIMETER, DIGITAL MANDMELD	62	MULTIMETER, DIGITAL
A031023 4552	1552	780	04237 035	910	31	CHMMETER, EARTH TESTER		
B010100 1684	1684	7406	17327 052	250			5	SIGNAL GENERATOR, HF
A031035 1371	1371	***	03626 035	910	62	MULTIMETER, DIGITAL		
A041045 1372	1372	7.45	65092 032	260	28	MULTIMETER, DIGITAL MANDHELD	62	MULTIMETER, DIGITAL
A031037 1371	171	79×431	24446 998	966	5 ¢	INSULATION, TEST SET		
C031015 1458	1.58	7004	80000 000	990	\$6	OSCILLOSCOPE, OC-500MH1		
L150019 2460	0942	4464	28569 998	866	36	TUBE TESTER		
A041048 4559	4559	RODGA	89536 032	210	62	MULTIMETER, DIGITAL		
A043011 4568	4564	A000A	60741 032	260	62	MULTIMETER, DIGITAL	,	<i>s</i>
A041056 4560	4560	HOJOAMTROL	89536 032	032	62	MULTIMETER, DIGITAL		
A041054 1426	1426	ROGOAOI	89536 032	2(0	62	MULTIMETER, DIGITAL		

				25	PART II General		TMDE CROSS-REFERENCE LIST Purpose thue ots ete specifications	09/52/80
INDEX	1 MDE	TVPE DESLGNATOR	MFG MODEL NR	FSCH	FAH	FUNC BY S	FUNCTIONALLY COMPATIBLE BY SPEC MR AND SPEC MAME	PARTIALLY COMPATÍBLE By Spec nr and Spec Mame
D050005 1847	1849		A0058	28180	050			04 GENERATOR, SIGNAL, PULSE
A041016 1373	1373		101	60741	032	82	MULTIMETER, DIGITAL HAMBHELD	29 MULTIMETER, DIGITAL
A041070 4566	4566		8020401	89536	932	٤	MULTINETER, DIGITAL	
A013007 1967	1961		A038R	89536	121	38	VOLIMETER, DIFFERENTIAL	
A013007 1968	1968		9030	89536	866	67	MULTIMETER, DIGITAL	
A013014 1969	1969		8030AG	89536 121	121	2	VOLTMETER, DIFFERENTIAL	
D050061 4611	1194		8082A	26460	050			19 GENERATOR, SIGNAL FUNCTION 04 GENERATOR, SIGNAL, PULSE
241 0406404	1251		8100A	89536	260	67	HULTIMETER, DIGITAL	
K020007 2325	2325		RIOGAW	12578	7115	11	AUDIO SYSTEM TEST SET	
4043041 1428	1428		\$100A01	89536	210	62	MULTIMETER, DIGITAL	
A043031 1429	1429		A100A	89536	260	62	MULTIMETER, DIGITAL	
A041017 1430	1430		A120A	89536	260	67	MULTIMETER, DIGITAL	
A043039 1431	1431		8125A	89536	032	62	MM.TIMETER, DIGITAL	
. •	2093		4151832	10076	966	5	GENERATOR, SIGNAL, PULSE	
A042017 1443	1443		9174960	24617	866	92	INSULATION, TEST SET	
4043053 1432	1432		8200A	89536	070	62	MULTIMETER, DIGITAL	
A042009 1374	1374		A27x51	24446	710	82	MULTIMETER, DIGITAL HANDHELD	
A643021 1437	1433		8 100 A	89536	210	54	MULTIMETER, DIGITAL	
A043032 [434	1434		A350A	89536	210	62	NULTIMETER, DIGITAL	
A020020 2053	1502		A36820	65054	003			29 MULTIMETER, DIGITAL
A041071 4567	1981		A375A	89536	032	62	MULTIMETER, DIGITAL	
A047065 1475	1415		8400A	89536	970	62	MULTIMETER, DIGITAL	
8022006 4847	1847		8405AH16	78480	074	82	VECTOR VOLINETER	,
C 040002 1685	1685		4407A	28480	190			68 SPECTRUM ANALYZER, RF
C040074 1686	1686		4105210	28480 062	2 40	e	SPECTRUM ANALYZER, RF	

LIST	SPECIFICATIONS
NCE	ETE
FER	015
THOE CROSS-REFERENCE	THDE
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INDEX NUMBER	TMDE 1	TMDE TVPE ID DFSIGNATOR	HFG HOOFL NR	FSCH	FAM	FUNC BY S	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME BY	ARTIA Y SPE	PARTIALLY COMPATIBLE By Spec Mr and Spec Hane	KAME
C040004 1687	1687		84105310	28480	790	9	SPECTRUM ANALYZER, RF			
C040030 1688	1688		A412A	28480	190		69		SPECIRUM ANALYZER.	R. RF
C040066 1689	1689		44144	28480 062	790		60		SPECTRUM ANALYZER	R, RF
1691 6400403	1691		8445A	28480	290		99		SPECTRUM ANALYZER.	t, RF
NO14024 4745	4745		84788	28480	140	63	POWER METER, SHF			
A043044 1375	1115		A50	60741 032	260	8.2	MULTINETER, DIGITAL HANDHELD			
16040000	4594		R505A	28480 061	190	99	SPECTRUM ANALYZER, RF			
C040007 1650	1650		851A852A	28480	966	6.8	SPECTRUM ANALYZER, RF			
C040038 3760	3760		851485514	28480 062	790	99	SPECTRUM ANALYZER, RF			
C040087 4572	2654		85518	28480 062	790	6.9	SPECTRUM ANALYZER. RF			
(040052 1693	1693		B552A	28480	190	9	SPECTRUM AMALYZER, RF			
C040045 1694	1694		85528017	28480 061	190		9		SPECIRUM ANALYZER,	R, RF
C040042 1695	1695		8553A	28480 061	190	89	SPECTRUM AMALYZER. RF 63		POWER HETER. SHF	
C040044 1678	1678		R554L	28480	190	8.0	SPECTRUM ANALYZER, RF			
0010017 1600	1600		A554L8522AH06	28480 061	190	9	SPECTRUM AMALYZER, RF			
H022013 2717	1111		#566309	19200 998	966	36	TUBE TESTER			
0080030 2068	2068		9600A	28480	108	22	SWEEP GENERATOR, UNF/VHF			
A040003 4842	4842		A600A	89536	070	62	MULTIMETER, DIGITAL			
A040004 5184	5144		RADOADI	84536 078	840	62	MULTIMETER, DIGITAL			
0060013 2067	2067		9501A	28480 052	052	20	SWEEP GENERATOR, HF			
0060023 2070	2070		8620A	28480	640	12	SWEEP GENERATOR, SHF			
0070054 4625	46.25		9621A	28480 049	040	12	SWEEP GENERATOR, SHF			
0070045 4616	46.16		96210A	28480	601		2	22 SW 20 SW	SWEEP GENERATUR, SWEEP GENERATOR,	UMF/VMF NF
0070036 2083	2083		96220A	28480 998	866	77	SWEEP GENERATOR, UNF/VINF			
0070036 2098	2038		96.220AH80	28480 049	640	7.1	SWEEP GENERATOR. SHF			

PART II TNDE CROSS-REFERENCE LIST GENERAL PURPUSE THDE DTS ETE SPECIFICATIONS

08/57/90

I NDEX NUMBER	1 MDE 10	TYPE Designator	HFG HODEL NR	FSCM	FAN	F UNC	FUNCTIONALLY COMPATIBLE By Spec nr and Spec Name	BL E IAME	PARI 87 S	IALLY OF THE SPEC NR	PARTIALLY COMPATIBLE By Spec nr and Spec Name	NAME	
D070047 4616	91 9 1		A6227A	28480	640				22	SWEEP	GENERATOR, SHF Generator, umf/vmf	CHE	/AHF
0060027 4A75	*1 **		86222802	28480	640				22 12	SWEEP	GENERATOR, SHF GENERATOR, UHF/VHF	SHF	/VHF
0070042 2884	2084		R62 108HB0	28480 049	640	21	SWEEP GENERATOR,	SHF					
0070040 2085	2085		86241AHBO	28480	640	12	SWEEP GENERATOR.	SHE					
D070038 2046	2046		86242AHBO	28480	640	12	SWEEP GENERATOR.	SHE					
0070039 2087	2087		86.2509H80	28480 049		12	SWEEP GENERATOR,	SHF					
1144 9400200	1144		86290A	28480 049	640	12	SWEEP GENERATOR.	SHE					
0070055 4626	9294		R6320A	28480 047	640	12	SWEEP GENERATOR,	SIIF					
0070058 4629	46.29		A330A	28480 049	640	12	SWEEP GENERATOR,	SHF					
0070056 4627	4627		863418	28480 049	640	12	SWEEP GENERATOR.	SHF					
0070057 4628	44.28		863424	28480	640	72	SWEEP GENERATOR,	SIF					
8070059 4630	46 10		4- 350A	28480	640	12	SWEEP GENERATOR.	SHF					
0010052 1591	1651		AU	28480 106	901	5	GENERATOR, SIGNAL, VHF	VHF	13	SIGNAL	SIGNAL GENERATOR, VHF	¥.	«
0010085 1593	1593		10000	28480 106	901	=	GENERATOR . SIGNAL , VHF	, VHF	~	SIGNAL	GENERATOR.	I. VHF	<
10010150 1504	1661		86548	28480	106	•	GENERATOR , SIGNAL , VHF	, viif					
0010103 5186	5196		8660401040509	28480	901				=	GENERA	GENERATOR, SIGNAL, VHF	. VHF	
0040051 2073	2073		86608	28480	107				1000	AUDIO SIGNAL SIGNAL SIGNAL SIGNAL	GENERATOR, MF GENERATOR, MF GENERATOR, VHF	# \$ \$	∢∢
0000001 4635	4635		AAAOC	28480	901				5 9	GENERA GENERA	GENERATOR, SIGNAL FUNCTION Generator, Signal, vhf	L FUI	IC T 10N
D070032 20A9	2089		86601A	28480	150				162	AUDIO SIGNAL SIGNAL	OSCILLATOR Generator, HF Generator, VHF	# ₹	∢
0070031 2040	7090		86602A	28480	101				12 18	SIGNAL	SIGNAL GENERATOR, UNF GENERATOR, SIGNAL, UNF	# H	∢
CO+0083 3587	1587		84692R	28480 107	101				•	GENERA	GENERATOR, SIGNAL, VHF	• VIE	

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MCE	ETE
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I NDE X NUMBER	7 10	TMDE TYPE 10 OFSIGNATOR	NFG NOBEL NR	FSCH	FAN	FUNC BY S	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC NAME	PART BY S	PARTIALLY COMPATIBLE BY SPEC NR AND SPEC NAME
								2 9	SIGNAL GENERATOR, UHF A Generator, Signal, uhf
0010049 4620	4620		8660 14	28480	053			61	GENERATOR, SIGNAL FUNCTIO Signal Generator, shf 11
D670636 2071	204		966 318	28480	101			22	GEMERATOR, SIGNAL, WHF Signal Gemerator, umf a Sweep Gemerator, umf/whf
0070029 2012	2007		46632A	28480	101			115	GENERATOR, SIGNAL, VHF Signal Generator, UHF A Sweep Generator, UHF/VHF
0070043 4477	4877		A6632A	901 08487	901	2	GENERATOR, SIGNAL, VHF	22 15	SWEEP GENERATOR, UHF/VHF Signal Generator, uhf a
D070048 4619	4619		866338	28480 106	901			=	GEMERATOR, SIGNAL, VHF
00000	4878		A672A	28480	053	~	SIGNAL GENERATOR, SHF H		
D060026 2074	2074		8670A	20400	052			20 21 22	SWEEP GENERATOR, HE SWEEP GENERATOR, SHF SWEEP GENERATOR, UHF/VHF
0060045 4112	4112		A690AH12	26480 049	640	12	SWEEP GENERATOR, SHF		
0070044 4615	4615		8691A	28480 049	640	12	SWEEP GENERATOR, SMF		
0070011 4613	4613		9692A	28480	640	12	SWEEP GENERATOR, SHF		
0060016 4113	4113		469 14117	28480	640	12	SWEEP GENERATOR, SHF		
0070035 2077	2011		86954	28480	640			17	SWEFF GENERATOR, SHF
0070034 2079	2079		44464	28480	640			12	SHEEP GENERATOR, SHF
0070012 1589	1589		A697A	28480	610			12	SWEEP GENERATOR, SHF
1100016 2518	2518		A70	28569	04.5	;	SEMICONDUCTOR TEST SET		
0070002 2081	1967		4 704 A	28480	40 1			21 01 03 03	SIGNAL GENERATOR, VHF A GENERATOR, SIGNAL, VHF AUDIO OSCILLATOR SIGNAL GENERATOR, HF
A012021 3703	3703		990	28009 077		62	HULTINETER, DIGITAL	•	;
C010000 1705	1705		8404	94668	034	09	PHASE METER		
A012009 1970	1970		4854	89536 077	077			2	VOLTMETER, DIFFERENTIAL

MAR FSCH CUDE 89536 121 AN 89536 121 28569 045 28480 040	FUNCTIONALLY COMPATIBLE	* *** * * * * * * * * * * * * * * * * *
89536 121 AAW 89536 121 28569 045 8 28480 040	BY SPEC NR AND SPEC NAME	PARTIALLY COMPATIBLE By Spec mr and Spec mame
2055 121 20569 045 20160 040	38 VOLTHETER, DIFFERENTIAL	
28569 045	38 VOLIMETER, DIFFERENTIAL	
28480	94 SEMICONDUCTOR TEST SET	
		61 WATTNETER, RF 63 PINER METER, SHF
8901A 28460 031		57 MODULATION METER
A703RH12 28480 998	21 SWEEP GENERATOR, SHF	
871A 89536 121	38 VOLTMETER, DIFFERENTIAL	
R93A 89536 121	38 VOLIMETER, DIFFERENTIAL	
A95A 89536 121		38 VOLTMETER, DIFFERENTIAL
901 21212 013	72 DATA ERROR TEST SET	
4014905001 65092 003	29 MULTIMETER, DIGITAL	
110 64959 071	82 TRANSHISSION TEST SET	
110 65649 011	82 TRANSMISSION TEST SET	
904A 77327 055	13 SIGNAL GENERATOR. THER HOISEA	
120 +>602		01 TRANSMISSION TEST SET 02 TRANSMISSION TEST SET
9041704001 65092 078	29 MULTIMETER. DIGITAL	
100 26059 2005065 001		23 AMMETER. AC. CLAMP-ON
866 60082		91 OSCILLOGRAPHIC RECORDER A 92 OSCILLOGRAPHIC RECORDER B
906A 72264 998		91 OSCILLOGRAPHIC RECORDER 8 92 OSCILLOGRAPHIC RECORDER 8
3066.2	47 FREQUENCY METER A	
910A 04901 079	40 VOLIMETER, RF	
91HRS7 04901 079	40 VOLTMETER, RF	;
910APAV 89536 080	41 VOLIMETER, AC TRUE RMS	
9142834 88600 998	04 GENERATOR, SIGNAL, PULSE	

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CROSS-REFERENCE	TADE
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PART 11	GFRE

I NDE X MUNDE R	7 x 5 0	TMDE TYPE ID DESIGNATOR	NFG HODEL MR	FSCH	FAM	FUN	FUNCTIONALLY COMPATIBLE BY SPEC NR AND SPEC MANE	4 7	PARTIALLY COMPATIBLE By Spec nr and Spec name	
A012011 2049	2049		1180A	16655 077	677			2	38 VOLTHETER, DIFFERENTIAL	
H024024 3483	3483		9280147	260 60261	21.0	٤2	29 MULTIMETER, DIGITAL			
A013027 2039	6102		9340	04401 080	080	7	41 VOLTMETER, AC TRUE RMS			
4020009 1925	1925		11.6	65092 003	003			67	29 NULTIMETER, DIGITAL	
A011007 4530	4530		9318	121 96568	121	36	VOLTMETER. DIFFERENTIAL			
F 070007 4645	4645		93300	13571 070	070			9	TEMPERATURE INDICATOR	
C060009 1651	1691		414	160 68590	160	23	57 MODULATION METER			
A043057 1377	1371		970A	264 60 032	210	62	29 MULTIMETER, DIGITAL			
CO50082 4663	1663		96	95036 018	910	23	S7 UNIVERSAL COUNTER (DC TO 500MHZ)			
1030011 2520	2520		066	260 14209	032	8 2	HULTIMETER, DIGITAL HAMDHELD	62	29 HULTIMETER, DIGITAL	
	4460				910	23	S7 UNIVERSAL COUNTER (DC TO 500MHZ)			

APPENDIX D

LR TECHNICAL DATA

This appendix presents the identification and technical data applicable to each LR developed by the DARCOM/TRADOC JWG and included in this project. The LRs are sequenced by fiscal year and LR number.

		LR IFCHNICAL DATA	
LETTER PLOUDERMINICE	(14)	MOMENCLATUPE CODE	0N 01
124161.848357		FREQUENCY COUNTER A (9 - 500MHZ)	5275
JHVN 5 18 1944 is d	PAVAHETER CIPIE	PARAMFTER	ACCURACY (PCT) UR AS STATED
FOURTH NAME CLASSELICATION PUP SPECT (STZCENSIMPTION FUP SPECT (STZCENSIME FUL) NAMES FUL) NAMES	00100 00100 00100 00100	UMIYERSAL COUNTER (DC TO 500MH2) TYPE III, CLASS 5, COLOR R, STYLE F, PER MIL-T-28800 5043,40412,400112 5,-PHASE 115/730VAC 0 TO +50C OPERATING / -55 IO +75C STORAGE DC TO 500MH2 CAPARLE OF MAKING PERIOD MEAS AS WELL AS PERIOD AVERAGIN	
STNSTTATTY THE TAST STABILITY THE THIRDAL MEASURE HIM	63500 77220 74000	SOMM RMS DR LESS Internal High Stability time rasf Caparle of Meas loonsec single Sint Time Intervals	
LI ELER REAULYTHENILLP	163	LR TI.CHNICAL DATA FAMILY NOMENCLATURE CODE	ON OI
13416180351		FPFQUENCY COUNTER B (10H2 - 18GH2)	5276
JAKY CILIPPOPE	PARAMFTER CHOE	PARAMETEP	ACCURACY IPCTS OR AS STATED
CLASSIFICATION CLASSIFICATION PW SUPERISTORING FAP TPES ANIM-OPFOATING FAP TARS ANIM-OPFOATING SENSITIVITY THE GASE STABILITY	00100 00105 00140 00210 26500 63600	FREQUENCY COUNTER (1042 TO (4642) TYPE 111, CLASS 5, COLOR R, STYLE L, PER MIL-1-28800 5012,A047,40042 S-PHASE 115/230VAC 0 TO +50C UPERATING / -55C TO +75C STORAGE 1012 TO 18GH7 1012 TO 18GH7 1014 - 2504H7125HV RMS OR LESSI-250HH7-18GH2[-20DBM MAXIINTERMAL HIGH STABILITY TIME RASE	
IFITE PEOURTHUILE	(41)	LR TECHNICAL DATA FAMILY NUMENCLATURE CODE	0 Z
05.0014141401		FREQUENCY COUNTER C 1300MHZ - 186HZ1 125	2277
PARANTEE NAME	PACANFTER CUDF	PARAMFIER	ACCURACY (PCT) OR AS STATED
CONTROL OF METABLE CLASSIFICATION OF TAXING THE CONTROL OF TAXING FOR TAXING	00100 00105 00150 00710 25500 55010 61600	FREDUENCY COUNTER (AUTOHATIC PULSED RF HEAS CAPABILITY) TYPE 111. CLASS 5. COLOR R, STYLF I, PFR MIL-T-20000 5042.AOUT.AOUH. 5-PHASE 115/73 0 TO 4-50 C OPFRATING / -55C TO 475C, STORAGE 3009H2 TO 106CC OPFRATING / -55C TO 475C, STORAGE MFAS P/W AT 50PCT AMP POINT.OF 100NSEC M/W REP F,50H7 MI 300HH7-10GH7-10DNN) 10GH7-1RGH7(-500H OR LESS) INTERNAL HIGH STABILITY TIME RASF	

		LR TECHNICAL DATA		
I STIFE REDUIREMENTER	(18)	NOMENCLATUPE	FAMILY	DN Q1
w20910102HL1		ELFCTRANIC ANALOG MULTIMETER	200	\$207
PAKAMITE WANT	PALAMÉTER CUBE	PARAHETER		ACCURACY (PCT) OR AS STATED
CLASSIFICATION DIRECTORS IN MAZINS	00100	FLECTRUNIC AMALDG MULTIMITER Type [1].Class 5.cdior R.Stylf F.Per Mil-T-28800 157.5mmf8imjwx210mmf8imjhx105mmf4inj0	001	
MI JOHT IN VG/LBS PNV JOHF WETHOUGES PVV JOHF WETHOUGES PSECONDARY	00120 00140 00160 00140	2.5KG/5LBS RATIFRY OPERATION W/20 HOURS OPERATING TIMETRECHARGEABLE ANALOG METER CETCHAGE TEST LED'OR PROHES	CHARGE ABLE	
CHUSTNI, AC FOLST NI, STORY FOLST NACT MEASUPFHINT PETST FACT AC VIN FACT AC	01156 00056 00066 00667 00667 00667	SIUKAGE ? Eguhns W/Lum Pur e str ranges	IN 9 RANGES IN 9 RANGES IN 9 RANGES IN 9 RANGES	
VINTACE LICE INPUT INPUDANCE	14450 14450	IOMEGOHUS LR TECHNICAL DATA MOHENCLATURE	FAMILY CODE	0X 0X
144161434661		SIGNAL GENERATOR-HF (50KHZ-BOMHZ)	150	5276
PAKAME II P. NAME.	FARANETER Cuof	**************************************		ACCURACY (PCT) OR AS STATED
FOURTH INT MANG CLASSED FOR THE MAJENS DEPOSED IN AGAINS PAY STATES A MAJENS PAY STATES AND ALL DATES A MENT TO THE MAJENS A MAJENS TO THE MAJENS TO THE MAJENS A MAJENS TO THE MAJENS TO THE MAJEN THE MAJENS TO THE MAJENS TO THE MAJENS TO THE MAJENS TO THE MAJ	00100 00102 00110 00110 00110	\$16NAL GEMERATOR-HF TYPE III, CLASS \$, COLUR R, STYLE E, PER MIL-T-28GOO 0.007 CUNIC METERS 12200 CURIC INCHES) MAX 23KGI51RS) MAX 50HZ.60HZ.40UHZ S-PHASE 115/230VAC	-28800	
STEMAL DUTTED AUTRAGE STAIN MAYOR FOR DESIGNATION FOR DESIGNAT	00244 2690 2690 2690 2690 2690 2690 2690 2690	FEM O TO 100ECT UP TO 25MHZ DIVIATION OF CXR FRED 50MHZ O ADMUS 51MHZAYE CONTINUOUSLY ADJUSTABLE FRUM 100NV - 1V RNS ACR 50 UHMS	R 50 UHMS	•/-1.5 KHZ

		LR TECHNICAL DATA			
LITTER REQUIRERENTLES	1	NDWENCL A FURF	COOE	CO NO	
64.41.18.19.286.1		DICITAL MULTIMETER, 3 1/2 DIGITS	750	5208	
SHEN OF SHECKS	PAPANETER Car	PARAHETER		ACCURACY (PCT) OR AS STATED	5 6
POSTOR NE VAME	00100	DIGITAL MULTIMETER , 3 1/2 DIGITS TYPE 111,CLASS 5, COLOR P, STYLE C, PER MIL-T-28A00	MIL-T-28800		
nie wilde in majins Wilse in KG/LOS	00110	soum(3.5 (n) wxs imm(2 [n) hx 9] nns 7.5 [n) b 0.4kG (0.9 lbs)			
FACT SCHOOL ISTALED	00130	CAPABILITY TO DANG /ATTACHING INSTRUMENT TO EQUIP OUT	NT TO EQUIP JUI		
PEATURE HETINDIST	00160	DIGITAL READOUT AT 3 1/2 01GITS			
Transport of the State of the S	00710	-55C TU +75C STURAGE D TO LOAMPS.AC		134 4-74	
30° 17' 18'5	00441		IN S RANGES		_
FRED BY SPONSE	00692	DR GREATER	:		
PLEISTANCE MEASUREMENT	50400	0 TO ZOMEGONES O TO LONALING CREATERS O TO LONALING CREATERS	S IN S RANGES	1-/-	
VILTAGI AC IMPUT IMPUDANC	64110				_
JOS JOS BIA	84400	0 TO 1000VOC.PCT+/-11.50t	IN 9 SENCES	1725 PCI	_
THE TALL TO THE PRESENCE	84470	1 OME COHMS			
		LY IELMHILAL DATA	3		
LITTE PENILPTHINILES	11.83	NOMENCLA TURE	3000	ex a	
C.Zabla Tač Ht. J		DIGITAL MULTIMETER.4 1/2 DIGITS	032	520"	
SHAN USE SPISE A	PAVAMETER COOF	PARAHFIFR		ACCURACY (PCT) OR AS STATED	5.03
SEAN 12 SETTLES	00100	DIGITAL MULTIMETER , 4 1/2 DIGITS			
CLASSII ICATION	00100	TYPE III, CLASS 5, COLOR R, SIVLE F, PLI	M11-1-28800		
COLOR COLO	96110	Zeormis Binimazionmis inimajyonni isimiju A. Akgaisi Bai			
The Sounce (S) CONSONE LINE	04100	5011, 6017 + 60017 S-PHASE 115/230VAC			
eranue erannassa	09100	DIGITAL READOUT AT 4 1/2 DIGITS AND AWALDG METER	LOG METER		
TO THE THE THE TANK TO A COMPANY TO THE TANK THE	01/00	JEINCHARL IN THE CAND OF THE PERSON OF THE P			
Current St. A.	14400	O TO ZAMPS (PCT +/-? DIGITS)	IN S RANGES		
CHRIST ME DC	14900	0 10 2AMPS (PCT +/-2 DIGITS)	IN S RANGES	*/2 PCF	
TALL TANKS TANKS	00747	JOHN THE SOURT DVER FULL SCALF RANGE WINDICATOR	INDICATOR	997	
135 to UnitaiAu	01585	MANUAL DYFRLUAD RESET CAPABILITY			
PESTSTANCE MEASUPEMENT	2.1400	0 ME CO	IN 6 RANGES		
VIN FACE ACTIONS THE CASE OF T	44000	O TO 750VAC (PCT +/-IDIGIT)	IN G KANGES		_
	84400	0 10 1000VDC (PCT +/-2016115	IN 6 RANGES	*/02 PCF	_
WHENCE OF INPUT INPUDANT	84470				

		LR SECHNICAL DATA	
LITTER REQUISEMENTALE	ŝ	NOMENCLATURE FAMILY CHOR.	0 W 01
198261823691		DSCILLUGRAPHIC RECORDER 036	2175
	PAGAMETER		ACCURACY (PCT)
PASSEL BANK	tato:	PARAMETER	UR AS STATED
TOUR IN	00100	OSCILLOGRAPHIC RECONDER	
CLASSICICATION	00105	TYPE III, CLASS 5, COLOR R, STYLF E, PER HIL-1-2880U	
DIMENSIONS IN MAZINS	01160	TODAY I TO I NOW AND THE INTERPORT OF THE PROPERTY OF THE PROP	
WIGHT IN KEALBS	00150	27.2KG160LKS)	
PHP SUBELLISIZENSUMPTEN	00140	50H7.40H7.410HZ S-PHASE 115/210VAC	
TRITTO JOHN NININ/ALIGN AREA	01200		
CHART PAPER CAPACITY	10300	30 HETERS CHIM)	
CHA'T SPITUS	11400	CHART SPEED 0.5 TO 200MM/SEC SELECTABLE IN B STEPS	130 1-/-
toles of Spinst	25,900		•
I THE DAME . I HAUT	14400	INPUT 2 SOBKERS MEN	
INPUT VILLAGE RANGE	37400	RECORD 0 10 2504 AT INVADIV IN SVANIV IN A STEPS	*/-> PCE
NUM OF FICHRIER CHANNELS	47600	CHANNELS W/AT LFAST 1	
		LR TECHNICAL DATA	
		_	
I FIIFR AFOURTHENILLED	6	NOMENCLA FURE CODE	0 0 0
194201824051		OSCILLOSCOPE,DUAL TRACE,DC-15MH2 89	\$200
	PAVANFTER		TO A A A A A A A A A A A A A A A A A A A
STAL PITTAGE	CHOF	PARAMETER	DR AS STATED
	00100	05C1LL05C0Pf ,0C-15M12	
CLASSIF ICATION	00102	TYPE III, CLASS S, COLOR R STYLF L PFR MIL-T-28800	
DIM MICHE IN MALINS	01100	0.047 CURIC METERS/2424 CURIC INCHES	
Witchi In actins	00150	10KG/22LRS	
PAUL STIDE OF IS I CONSUMPTION	00140	50,60 6 400HZ S-PHASE 115/230VAC	
or A') but Mr THONGS	00160	CRI, GRATICLE 10 BY 6CM	
SMI IVA SACI-NOW/ a less awar	00710	/-55 to 75 DEG C	
	00250	DC IN 15MH2	
DUAL TUACT	20900	DUAL TRACF CAPABILITY	
	61 400	23NSFC MAX	
ANIALISTA	0.3400	SAV OR LESSIBLY TO LOWIDIY	
alea a last	0021.2	0.5USFC IN 1.0SEC PER DIV IN 5.2.1 SFQUENCE	

		LR TECHNICAL DATA	;	
IFTIFG REQUIPTHEMILLED	6	NOMENCLATURE	CUDE	0 M O1
19H20LR250S2		OSCILLOSCOPE, DUAL TRACE, DC-100MHZ	160	5201
PAKATI FI PAKA	PAZANETER CODE	PARAHETER		ACCURACY (PCT) UR AS STATED
FOULTAIN VANF CLASSIFICATION DIM NSTONS IN MAZINS WEIGHT IN KGZLMS PRASSOURT RESPONSE	00100 00100 00170 00140	05CILL05COPE,0UAL TRACE,DC-100HHZ TYPE 111,CLASS 5CDLOR R,5TYLE C,PER MIL-T-28800 0.041 CURIC METERS/2600 CURIC INCHES 10KG/22LNS 50.60 E 400HZ S-PHASE 115/230VAC CRICKRATICLE B BY 10CM	_	
TITE AND THE CALLED TO THE CALLED THE CONTROL TO A CONTRO	65200 20400 61800 63600 73200	7-33 IO 73 UTO C. DC TO LOOMEZ DUAL TRACE CAPABILITY 3.5 NSEC MAXIMUM 5MV MAXIMUM/DIVICM), VARIABLE TO 5V UR MURE/DIVICM) VARIARLE FROM 0.055EC/DIVICM)TO 0.55EC/DIVICM)	(CM)	
	-	LR TECHNICAL DATA MONENCLATURE	FAMILY	Ş
144201424651		DSCILLOSCUPE, BUAL TRACE, STORAGE	960	2075
PARATE HE NAME	PARAHFTER CODF	PARAME TER		ACCURACY (PCT) UR AS STATED
FOURTHIND THE STATE CLASSIFICATION OF WASTERS IN HMAINS WITCHT IN MEACHS PLANDED WESTERS FOOD STANDS OF AND HOPE STANDS OF AND HOPE AT THE TOWN TOWN TOWN TOWN TOWN TOWN TOWN TOWN	001100 001100 001100 001100 001100 00210 00210 61800 61800 61800 73200	05CILL 05COPE, DUAL TRACE, STORAGE TYPE III, CLASS 5.COLOR R.CLASS F.PER MIL-1-28900 0.043 CUBIC METERS/26.00 CUBIC INCHES 1446/71LRS 1446/71LRS 50.40 & 4.05012 S-PHASE 115/230VAC CRT, GRATICULE CRT, GRATICULE CT 1000HHZ DUAL TRACE CAPABILITY 3.5MSFC OR LESS 5MY/DIVICH) VARIABLE TO 5V/DIVICH) TRACES OPERABLE IN EITHER STORAGE OR NON-STORAGE VARIABLE FROM 0.055EC/DIVICH) 10.55EC/OIVICH)	9 14	;

z =	040 040 040 040 040 040 040 040 040 040	SZO3 SZO3 ACCURACY (PCT) UR AS STATED
=	0.00	5203 ACCURACY (PCT) OR AS STATED
) 0 8	ACCURACY (PCT) UR AS STATED
	? 0 8	
CONTRACT CAPABILITY		
	•	
LR TECHNICAL DATA	FAHILY	
NOMENCLA TURE	CODE	0N 01
OSCILLOSCOPE, DUAL TRACE, DC-400HHZ	0.00	5204
PADAMFTFR CODE PARAMFTER		ACCURACY (PCT) OR AS STATED
	9800	
.1600 TO SMY/OIVICAT, VARIABLE TO 5V UR MURE/DIVICATION VARIABLE FRUM 1 NSEC/DIVICMY TO 5 SEC/DIV	~	
	ASS 5-COUGH R-STYLE FPER HIL-T-Z METERS/3685 CUBIC INCHES HI S-PHASE 115/230VAC LE 8 BY 10CH DEG C CAPABILITY CM1.VARIABLE TO 5V UN MUNE/DIVECH IN 1 HSEC/DIVECH TO 5 SEC/DIV	TYPE 111.CLNT.TH. JOAC TAXAC. VOLUME R. STYLE F. PLR MIL-T-28800 0.050 CUBIC METERS. JS. COLUME R. STYLE F. PLR MIL-T-28800 0.050 CUBIC METERS. JS. S. COLUME R. STYLE F. PLR MIL-T-28800 1667 400HZ S-PHASF 115/2 JOVAC 7-55 TU 75 DEG C 17 500HZ DUAL TRACF CAPABILITY 17 5WYOTVICHI. VARIABLE TO 5V UR MURF/DIVICHI 17 5WYOTVICHI. VARIABLE TO 5V UR MURF/DIVICHI 18 5WYOTVICHI. MECADIVICHI TO 5 SEC/DIV

		LR TECHNICAL DATA	1	
LETTER RESUIPEMENTALRE	1.81	NOMENCLA TURE C	COOE	10 NO
194701829056		05C1LUSCOPE , DC-500M112	085	\$07\$
PARANTER NAME	PARAMETER CONF	PARANFTER	◀	ACCURACY (PCT) OR AS STATED
FOULDWEST NAME CLASSIFICATION DITENSIFICATIONS WEIGHT IN AGAINS	00100	DSCILLOSCOPE, DUAL TRACE, DC-500MHZ TYPE III, CLASS 5, COLOR R, STYLF F, PTR MIL-T-28000 0,065 CURIC METERS/3800 CUBIC INCHES 15KL 231 R,		
PWP SOUPCE CSTACONSONETED PERSONS TERMS TO SOUP THOUSE SOUP THOUSE SOUP TO SOU	00140	50,40 & 400HZ S-PHASE 115/230VAC CR1,5RATICULE B BY 1DCH		
SENSITIVITY SENSITIVITY SENSITIVITY	05200 05700 73700	DC TO SOCHUZ TO SHV/DIVICH),VARIABLE TO SY UK HORE/DIVICH) VARIABLE FROM 10 NSEC/DIVICH)TO 2.0 SEC/DIVICH)		
		LR TECHNICAL DATA		
LETSTR REDUIWENTILLO	1.6)	PA NOMENCLATURE C	FAMILY Code	10 NO
198201837001		SIGNAL GENERATOR.LF.AUDIO OSCILLATOR	900	5214
PALALT 11 0 NAME	P ROAMF TER CODE	PAPAMETER		ACCURACY (PCT) DR AS STAFED
FORPH HE MANG CLASSIFICATION DIMENSIONS IN MAZINS	00100 00105 00110	SIGNAL GENERATOR. LOW FREQ. AUDIO USC TYPE 111.CLASS 5. COLOR R. STYLE E. PER MIL-T-20000 ITOMMETINIMXIGSMHIG. SINIMXIOSMHILZINIO	001	
MI COLE THE MOVE BY FROM STAND TON THE PROPERTY OF THE COLE OF THE	00150 04100 04210	9KG120LBS) 50HZ.60HZ.60HZ S-PHASF 115/230VAC -55C 70 +75C STORAGE		į
HAPPING DISTORITOR	00461	NODE IN 1005 STEPS W/VERMIER CALIR IN 108 STEPS PCT AT 1817 MAX		+/208
FOLG DANGE INSTRUCT FUEDUNCE OUTSUL TWED DANGE	26800 26800 35200 84900	1012 TO 1.2MHZ VARIATION NO GREATER THAN •/- 10A OVER ANY FREO RANGE 2.5, VOLTS BHS 64000MHS)		•/-3 PCT •/-108
	•			

		LR TECHNICAL DATA	
LITTER REDUIREMENTERS	(4.8)	NOMENCLATURE CHOE	0W 01
198241815418		SIGMAL GENERATUR, VHF 450KHZ-512MHZ	5223
PADAY IF DANF	PAPAMFTER CODF	PARAHETER	ACCURACY (PCT) OR AS STATED
NOT 1837 1311.1	80100	TYSE I'L CERENTER LANGE (430KHZ - 312KHZ) TYSE I'L CERENT A FOLDO B. STYLE L. BED MILELYDRADO	
SNINE NI STORY NIC	00110		
	001150	21KG(47LBS) MAX	
FACE USING LSTREET	00130	STYLE	
MULLICONSIDER CONTINUE CONTINU	00100	50H2.60H7.400H2 S-PHASE 115/230VAC	
TIME THE PARTY PROBLEM	00210	-556 10 +756	
1N1-605	00410	SELFCTABLE BETWEEN 400H/ AND 1000H/	124 01-/-
AMP MAD-INC. PTROPERSON	01410	AT LEAST O TO SOPEL AR-HOU BY 6019 EX/IN AUDIO TONE	
THE PROPERTY OF THE PROPERTY O	00410	ALL TREE TANDS AND UISHOR HES	171 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	27.020	INSERNAL S FYTERNAL DEV CARABILITY OF D IN LOWHY DMS	
FRE DEMENT NUMBERS WANGE	26600	ASOKHY ID SIZEN	13d 5-0-/+ Sa
MITHUR I PU BUFACY AF SPINSF	26800	EVIATION	-/-
THE THE DANCE	35.200	IMPEDANCE DUTPUT SO DHAS	
PULSE HID CPM - FX	94000	EX SIGNAL MOD CAPABILITY	
TENESTINE OUT IN ME	56400	PH 50 TOSOOOPPS,W/PULSE WIDTH FROM 10 TO 40US	•
at Sometimes authors	69000	HARMONIC CONTENT LEVEL AT LEAST 3008 BELOW UNMOU CXR	
EL VALIAGE BUTPUT	85400	VALTAGE VARIABLE UP TO LV RNS ACROSS 50 OHM LOAD	80 1-/+
		LR TECHNICAL DATA	
STEEN BEDDICENEED AND SEE	(47)	NOMENCLATURE CODE	0N Q1
•			
134/eFs 170/4		SIGNAL GENTRALIRAUM SUOMM/-1.7GH/	\$224
	PARAMF TER		ACCURACY (PCT)
LEVE A THE PERSON	Cinf	PARAMETER	OR AS STATED
SIVE EXCHANGE	00100	SIGNAL GINERALUR LUHFI 1500MII - 1.26HII	
CLASSIFICATION	50100	TYPE 111, CLASS 5, COLOR R, STYLE E, PER MIL-T-28R00	
ソエー・エー・フェーシュ・エーロ	01100	SOCIAL CINIBASCORMI LOINIMASSORMI ZOINIO	
	62100	Carinal Tark	
3	05 1 50	50112 C 5011 S-PHASE 11572 10VAC	
Time april a palla approal the	0.1710		
MALLENDE AUDULATION	01 200	20112 TI 20KIL BY SINE & SO WAVE	
EXTERIAL AM STASSIFIER	01710	0 10 AT LFAST 90PCT	
The state of the s	00410	STEECTIVE BETWEEN 400HZ 10 1000HZ	
	04410	ACT THE FOLL AT CH DEVIATION OF ACAUS	
THE ATTENDED	00900		
FM PITTIPHAL INTSTITUTION	1.9600	LESS FIRM 25117	
NI STATE OF	26020	3KHZ TO 300KHZ	
estributed inipplie dance	76400	500MH? 10 1.6GHZ	104 1-/+ 5
THURST I BE FOR ME SPORSE	76.800	MOT TO EXCEED FUR ANY FREG BAND	+/~2 08
LIAN CARCILL	14400	500 THMS	
THE CASE OF THE STREET	00251	CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	
	0040	DOUGH TOTAL	
	*****	U. 27 ATS ACRES 24 CITE ECHU	

		LR TECHNICAL DATA	
LETTER REDUIREMENTELP)	(a)	NOWENCLATURE CODE	ID NO
108241.8.18016.		SIGNAL GENERATOR. UMF 800MH1-2.4GM7 107	\$22\$
THAN GITTERARY	PARAMETER CUNE	PARAMETER	ACCURACY (PCT) OR AS STATED
7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	90100	CICKAL CENTRATOR CHUEL LABORATY - 2.46H2)	
	50100	TABLE CLACK S. COLOR B. STVIE C. PER MIL -1-24800	
SAILAN AL SACTOR DE CALLE	01100	ANAMATICAL VEX 105 MATERIAL SOUND	
WERCHE IN KEALAS	02100	27.3KG160LBS) MAX	
(JAIS) JAGGERS	001100	STYLE E	
PHE STUFFER STEINSTUFFER	00100	50H7, 60H7, 400H7 S-PHASE 115/230VAC	
SMITAP THIM HIM 1991 9H 11	00710	-55C 10 +75C STURAGE	
AND THUST YANDS FRED	01220	20HZ TO 20KHZ SINE OR SQUARE WAVE	
INI - CULT - STATE	01400	0 TO 90PCT AT 400HZ AND 1000HZ	
SUPPLIE ATTINUATION	0091.0	RANGE HLT 1000B 4/100B VERNICR CALIBRATED IN 108 STFPS	*/-0.2 UB
FA OFVIATION	26020	INT & EXT 3KHZ TO 300KHZ DEV CAPABILITY	
FRESHITTY HATPUT RANGE	26600	BOOMH? TO 2.4GHZ NHT 5 FRFO BANDS, INDICATED VALUE	7-/+
ISNUAS IN LICENCY OF SPONSE	26800	NOT TO EXCEED DVFR THE RANGE UF ANY FREG BAND	*/-I DB
	42600	10KHZ DIV/100HZ-15KHZ MOD/V +/-10PCT FOR V REG AT 1KHZ	
MODEL ATTOR SO-WAVE	4.2 700	INT SO-WAVE MOD SHALL BE 1000HZ	+/-10 PCI
of village butbut	85600	RF NLT 0.5V RMS ACROSS 50 0HM LOAD	
		LR TECHNICAL DATA	
LETTER REDUIREMENTER	8	NOMENCLATURE COUL	DH Q1
194741819405		SIGNAL GENFRATOR, SHF 1.8 TO 4.0GHZ 053	5216
	PAWANE TER		ACCURACY (PCT)
PART-11 ID NAME	CHOF	PARAMETER	OR AS STATEU
144 14 14 14 14 14 14 14 14 14 14 14 14	00160	SIGNAL GENERATOR. SHF	
CLASSIFICATION	\$0100	TYPE 111, CLASS 5, COLUR P, STYLE F, PER MIL-T-28800	
SULTER BE SHELLER	01100	450MMIL7INIMXZ60MMILOINIMXS50MMIZ1IMID	
WITCH IN KEVERS	00150	29.5KG165LBS) MAX	
INCLUSING ISTALL	00130	STATE & STATE STAT	
NOT LANGUAGE TO LOCAL STA	64100	50HZ 550HZ 5400HZ 57FHASE 113/C197AC	
	0070	TO THE THE TENTE OF THE TOTAL O	
MASTANIC DISTINUTEDIA	17400	COURT TO LITTE OF ORIGINAL CATALOR CAT	
TOTAL SANCE	00597	1, ACH7 TO 4GH7	17-1 PCI
	26.700	RIATION FOR ALL FREU'S NO GR	*/-1.0 DB
I white and the intent	34 300	50 DITHS	
MINNE ALLINA, EXTERNAL	42570	EQUIP SHALL HAVE EXT FRED E PULSF MUD CAPABILITY	1
HOPE AFTON, SO-WAVE	42 700	IKH/	124 01-/+
PIN 3" WATE	54200	PH RATES FROM 40 TO 40,000 PPS W/PULSE WIDTHS, 1 TO 1005	
St WITHIN PRINCE	A5 700	CONTINUOUSLY VARIABLE -10008M TO OURM	

		LR TFCHNICAL DATA	
11 LIFE PENDITHENTILES	161	NOMENCLATURE CODE CODE	0N 01
1.142.01.840.006		SIGNAL GENERATOR, SHF 3.8 TO 7.0CH? 053	2175
1247 2 13 17 47 44	PARAMETER Code	PARAMF FER	ACCURACY (PCT) OR AS STATED
FOULTH NAME CLASSIFICATION OTHERSTORS IN MAJINS WETCHES	00100	GENERATOR, SHE III, CLASS S. C II YIN JW 365 MIL GROLBS J. MAX	
PAR STUCE (STREE) PAR STUCE (STACE) I STO STORT HIS CAPABILITIES HARGINE DISTORTION FOTO SHID-INTO PLATION FOTO SHID-INTO INTERNAL	00130 00140 00210 01300 19400 26500 26500 36400	STALE E 50H2.400H2.400H2 S-PHASE LIS/230VAC -55C TO LISC STORAGE FPEQ , PULSE AND SQ-WAVE MUDULATION CAPABILITY 300B RELOW THE LEVEL OF UNNUD CARRIER FPEQ DIVIATION O TO SHHZ P-P 3.86CH TO 7CHZ 0.0FHZ FREQ BANDS 0.0FHZ FREQ VARIATION FOR ALL FREQ'S NO GREATER THAN 50 DHMS 40 TO 40000 PPS PULSE MIDTHS OF 1 TO 10US	1-/* NA -1-0 08
AND	65700	VARIANCE FRUM SOME TO SKIP TO CONTINUOUSLY VARIABLE -LOODBH TO ODBH	
LETTER REGULREMENTALR	(18)	LR TECHNICAL DATA FANILY NOMENCLATURE CODE.	DN 01
1934 242404		SIGNAL GENERATUR, SHF 10.0 TO 15.5GH? 053	9175
PART 4 11 P VAME	PAPAHFTER CHDF	PARANETER	ACCURACY (PCT) OR AS STATED
CONTEMENT VAME CLASSIFICATION OTHERSTORS IN MM/INS MITCH IN MC/LRS FMC, SYNCF 6572EON FWP SYNCF 6572EON	00100	SIGNAL GEMERATOR, SHF (10GHZ TO 15.5GHZ) TYPE 111, CLASS 5, COLOR R, STYLE (, PER HIL-T-28800 450HH(171N)MX365HH(141N)HX500HH(191N)D 33.5KG(62LRS) HAX 57VLF E 50HZ, 60HZ, 400HZ 5-PHASE 115/230VAC -55C TO -75C STUBAGE	
141-244 HID CAPALLIFIS HAPTHED INTSIDETION FORD PARCI FORD AND LIFE STATICE HOPEDANCE HUDBUL PURST HID INTERNAL SOLMAY HOURING TON OF THE THE TON OF THE THE TON OF THE THE THE TON OF THE	26410 26410 26500 26500 26700 16300 68500	FREG , PULSE AND SG-WAVE MODULATION CAPABILITY 3008 8FLOW THE LEVEL OF UNHUD CAPRIER FREG DIVINATION O TO SHIZ P-P 10GHZ TO 125-56HZ 10GHZ TO 125-56HZ 50 UHMS 50 UHMS 50 UHMS 50 UHMS 50 UHMS 50 UHMS 60 UMMS 60 UMMMS 60 UMMS 60 UMM	NN -/-1 PC1 NN -/-1.0 D8

The same for the second of the

		LR FECHNICAL DATA	;	
I FILLE BIODINIMINICE	11.83	NOMENCLATURE	CUDE	0N 01
210173707661		SIGNAL GENFRATOR, SHF 2.0 TO 18.0GH?	053	5219
PARAULTE NAME	PAPANFTFR CODE	PARAHETFB		ACCURACY (PCT) OR AS STATED
LOUPH'NE VANG CLASSIFICATION DIMENSIONS IN ANZINS MEISOFF IN KGZLBS	00100 00105 00110	SIGNAL GENERATUR (2GHZ TO 18GNZ) TYPE III, CLASS S, COLUR R, STYLF I, PER MIL-F-28BOO 44OHMI16.5INJMX275HMf10.5INJHX425HMf16.3INJU 24.5KG157LRS) HAX	.8800	
THELOSTIFF (STREE) PAS SCINET (STEENSTHPTION IT WE THE STAIN - DEFAILITIES HARMONIC PISTONIUM FOLD HOLL-INI, DEVINTION	00130 00140 00210 01300 19400 26410	STALE E 5041-6047-40841 S-PHASE 1157230VAC -55C TO +75C STORAGE FREQ + PULSE AND SO-MAVE MODULATION CAPABILITY 3008 BLEOM THE LEVEL OF UNHUD CAPRIFR FREO DIVIATION O TO 5M47 P-P MIN		
FPEG SANCE FRES WITH LEVEL STANLL! FRES AND INTERNAL FOLISC MID INTERNAL SO-WAVE PROULATION RE HYPPEG POWER	26500 26700 34300 56400 68500 85700	FR BANDS N 10 10US 0DBH	IN 6 RANGES D GREATER THA	+/-1 PCT +/-1 08
L! FIFR RFOURFHINILL®)	1	LN TECHNICAL DATA NOMENCLATURE	FAMILY CODE	0 W 01
1042-614-2-10		SIGNAL GEMERATOR, FUNCTION	047	5213
PAZANI II & NAME	PARAMFTER Coof	PARANETER		ACCURACY (PCT) OR AS STATED
FOURTH NAME CLASSIFICATION DISCUSSIONS IN MACINS WITHOUT CALLED	00100	SIGMAL GFNFRATOR, FUNCTION TYPE III.CLASS S. COLUR R. STYLE I.PER MIL-F-28HOO 44UMHII6.PINIWXIGOMMIAINIX4OOMHIISINID 97KG120LHSI	001	
CHIEFFE AND FOLLOWS BE SANGE OUTERS ATTENUATION OF OFFER ATTENUATION OF OFFER AND FOLLOWS OUTERS ATTENUATION OFFER AND FOLLOWS	0044 0044 0044 0044 0044 0044 0044 004	H7.400HZ S-PHASE 115/210VAC NGE ADHIGNAL 100B VERNIFK CALIBRATEU J FRHM - 10VDC TG *10VDC 11.10MHJ/ DANA MD CREATER THAM */-1118 AT ANY EB	IN 10 BANDS	134 5-/+
HUTPUT IMPTHANCE BUTPUT VOLTAGE MAVETIFIES	15.200 50900 86800	SOUNTS 10V P/P ACRUSS SOUMS SFLECTABLE-SINE, SOUARE, SANTONTH, TRIANGLE AND PULSE WAVEF	SE NAVEF	

		LR FECHNICAL DATA	3		
LITTER REDUISEMENTILRI	(18)	NOMENCLATURE	000 to 00	ON QI	
1.18.2 01. 84.8 004		SIGNAL GENERATOR, PULSE	0,0	5125	
PARA 4171 U NAME	PAPANFIER Conf	PARAMETER		ACCURACY (PCT) UR AS STATED	(PCI) TATED
THE THEFT IS TOUT ON THE SHAPE TO THE SHAPE	00100	SIGNAL GEMERATUR, PULSE TYPE 111, CLASS 5, COLOR R, STYLF F, PER HIL-T-28R00 440H4 (1711H) WX180HH16, 51N1HX360H113, 51N10 7KG115, 5LRS1 50H2, 60H7, 400H2 S-PHASE 115/210VAC	-28800		
Dillett IFFE DANCE	56.010 56.010 56.200	VARIANCE FROM 10MS TO LSEC 10 TO LOWILLION PPS 1 TO TOWNER TO THE TOWNER TO THE TOWNER TOWN	IN 6 RANGES	./002PCF 0.005 PCF	102
PULST MON, TRANS VIAF OF VOLLACE DUTPUT	85.600	, NANUSCUNUS. Variable W/minimum of 3V imto 50 OHM LOAD		*/-0-508	æ
A TINUTE STATE OF	- -	LR FECHNICAL DATA	FAM1LY Code	0x 01	
2		SIGNAL GENERATUR, SWEEP 100KHZ-11UMHZ	250	\$220	
PAPAMETE NAME	PARAMETER Code	PARAMETER		ACCURACY (PCT) UR AS STATED	rects TATED
FOULPHINE LAME CLASSIFICATION DIM 48/FICATION DIM 48/FICATION FINE 48/FICA	00100 001105 00110 00110 00110	SIGNAL GENERATOR , SWEEP (1100KHZ - 110MHZ) TYPE 111, CLASS S, COLOR R, STYLE E, PER MIL-T-28800 470HH1181N1WX235MH191NJHX520HH1201N1U 24KGF51LRS1 57VLF 504F460H1,400HZ S-PHASE 115/230VAC -55C TO +75C STRRAGE	-28800		
HAPPINATE DISTORTION FOR DISTORTION	19400	AL All fred Bamds no Grea	IN 6 RANGES TER THAN	1-/-	PC1
DIFFIT THE DANCE STAIPING MAVE RATIO SWE FUNCTIONS SHEP INTELL VILLAGE SHEP CATE	15200 69600 70400 72810	50 DIMS LESS FHAN 1.5 TO L SELECTABLE CM , DELIA-F , MARKER & START/SIUP SELECTABLE CM , DELIA-F , MARKER & START/SIUP MINIMUM DF 1V RMS ACROSS 50 DIMS INDIA ADJUSTABLE FROM 1MS TO 60SEC	STUP INDICATED VALUE	1-/•	5

		LR TECHNICAL DATA			
LFTTFR RFQUISTMFNTILR)	(8)	HDNE NCL A TURE	CODE	ON OI	_
178201850022		SIGNAL GEMERATOR, SWEEP 10HHZ-1.0GH?	601	1225	
PARALCHIC ZAME	PAPANF TER CUDE	PARAHFER		ACCURACY (PCT) OR AS STATED	T (PCT)
		-			
FORFIE N SAIF	00100	SIGNAL GENERATOR , SWEEP (10MH) - 1.0CH2)			
CLASSIFICATION	50100	TYPE III, CLASS 5, COLOR R, STYLF E, PER MIL-T-28800	I-28800		
CIPLESIONS IN THIS	01100	470mm(181m)xx>35mm(91m)mx510mm(>01m)0			
SET/ON AR LICOLAR	00150	14KGI 31LPS) MAK			
CMCLUSURY (STVLE)	00130				
PHO COURTY IS I CONSUMBILIEN	00140	50HZ + 60HZ + 400HZ S-PHASE 115/230VAC			
UNILYOUND NOW! o Ist. of I	01200	-55C (II +75C STORAGE			
HAPT-MIC DISTORTION	12400	AMFNTAL			
FFF PANET BUTPUT RANGE	26600	10HII TO 1.0GHZ	IN 6 RANGES	1-/-	-
NUTPER FOLDENCY OF SPONSE	26800	DUTPUT LFVEL RESPONSE FOR ALL FO RANDS NO GREATER FHAN	LIER SHAM	1-/-	8
CHIPUT INPEDANCE	35200	SO DHAS			
STALDING MAYE RATTO SAR	00469	LESS THAN 1.5 TO 1			
FING FIRMS	10400	START			
SWFF HIPPIT VOLTAGE	72610		INDICATED VALUE	1-/-	2
SHIFF RATE	11200	ADJUSTABLE FROM IMS TO BOSEC PTR SWEEP			
		IR IFCHNICAL DATA			
			FAHILY		
LIFTED REDUIREMENTELPS	LP.)	NOMENCLATURE	CODE	01	_
198241851421		SIGNAL GENERATOR, SWEEP 1.0GHZ-40.0GH	640	2775	
_	PARAMETER			ACCUBACY (PCT)	
PAPAMETIC NAME	CODE	PARAKETE		OR AS STATED	TATED
FOILD MINE JAME	00100	SIGNAL GENERATOR . SWEEP (1.0GHZ - 40.0GHZ)			
CLASSIFICATION	00100	TYPE III, CLASS 5, COLOR R, STYLF E, PER MIL-1-28600	-26600		
DIRECTOR OF THE PERSON	001100	4 70MH (L B I N) WX 2 8 5 MM (L I I N) HX 5 COMM (191N) D			
WERSHIELD NG/LAS	00100	20KGF64LASI MAX			
FACE TAURE ESTALES	00130			•	
AND CONTRACTOR OF THE PROPERTY	05100	50HZ 150HZ 150HZ 5-PHASE 115/230VAC			
TATE THE NAME OF THE PARTY OF T	01/00	-55C TO +75C STORAGE			
MALLEY TOTAL PARTY	00477	COURTELUM FUNDAMENTAL		•	
THE TENED TO SELECT STREET	26.800	ON SOURCE OF THE STATE OF THE S	ATCO TOUR		5 8
OUTPUT IMPLOANCE	35200	50 DHMS	81.E. S.	1-/-	8
STAMPING WAVE RATIO SHR	6.96.00	LESS THAN 2 TO 1			
FIRM: FIRMS	70400	SFLECTABLE CW , DELTA-F , MARKFR & START/STOP			
Suffe authur voltage	01872	MINIMUM OF 0.5Y RMS ACROSS SO UMMS		1-/-	90
SALIP PATE	11200	ADJUSTABLE FROM IMS TO 100SEC PER SWEEP			

REGULPENENT (L.R.) RA 14:94 PAR				
K6 10:04	NOMENCLATURE		3000	0N 01
	TEST SFT.SFMICONDUCTOR	CONDUCTOR	949	5226
	TFR PARAMETER	-		ACCURACY (PCT) OR AS STATEO
S N.		FEST SETSENICONDUCTOR TYPE TITS CLASS 5. COLOR R. STYLF E. PER MIL-T-20000 SRIMMISIMIMX203MM(BIN)HX203MM(BIN)D REGISSINAX	7-1-2000	
FACE STATE (STALE) PUP STATE (STALE) INFO DELEVISION DOLLO ITHE DELEVISION TO STANDELLO INFOLDADE THE STANDELLO ITHOUGH TH		STTE E 5012.60HZ.400HZ.5-EHASE 115/230VAC 5012.60HZ.51 OF FIELD EFFECT E BI-PULAR TRANSISTORS IN-1000HRTAJ FET TRANSCONDUCTANCE: 0.5 TO 100MMHOS FRO-RIAS DRAIN: FROM SUA TO SMA	ISTORS In 4 Range	134 5-/-
L'TIFR RFOURTHENILLED	LR TECHNICAL DATA Nomenclature	CAL DATA	FANILY COOF	0 4 0 1
179201979	DIGITAL VOLIMFTER	HETER	0.70	9510
PARANTTER PARANTER CODE	TER PARAMETER	-		ACCURACY (PCT) OR AS STATED
ins Sumption		TYPE III.CLASS 5, COLOR R, STYLE f, PER MIL-T-ZBROO 500HHI19PHIMXISOHNI5.3IN/HX485HHI18.4IN/D 9.5K(221LRS) 501X,56DH.440HIZ S-PHASE 115/230VAC DIGITAL RFADOUT S 1/2 DIGITS	-7 -2 8 9 0 0	134 50*-/*
		MANUAL AND AUTHRANCE SELECTION 1040HHS TO 1046GOIMS 117 1000VAC	IN 6 RANGES	•/01 PCI
VALLACE ACC INPUT EMPERANT 64110 VALLACE OF EMPERANC 6410	10 INECUMYS 100 LHV TO 1000VDC 120 LOME COHMS	VDC MMT & RANGES	IN B RANGES	•/05 PCI

		LR TECHNICAL DATA		
1 - 1 TER REGULATION ILLE	21	NOMENCLATURE CODE	01 01	2
1194201872040		MULTIFUNCTION RF VOLTNETER 079	1125	
SMAN 2 15 through	PARAMFTER Crinf	PARAMETER	ACCURAL OR AS	ACCURACY (PCT) UR AS STATED
CLASSIFICATION CLASSIFICATION OTH-WST-MS IN M971MS WFC-MT IN SCLESS WFC-MT-MST-MS WFC-MST-MS WFC-MST-MS WFC-MS WFC	00100	MULTIFUNCTIUN RF VOLINETER TVE 111.CLASS 5, COLOR R, STYLE E, PER MIL-1-20800 ZZOAMIO.SINIWX170HMIG.SINIHXJOOHMI11.51NJD 5.5KG112LBS) 5012.5GHZLASS		
If STLIAD/II PRIBES If the INFO AND ADERATING EURAFULUE FRID OF SPINSE	00190 00210 14890 74900	DETACHABLE TESTLEAD AND/OR PRONE -55C TO 75C STORAGE 15UA TO 15OMA 10KHZ TO 1.2GHZ	• /-3	154
4FSISTANCE MFASUREHENT VOLTAGE AC VOLTAGE VC	59600 84000 84000	0.20HMS TO 500MECDHMS INV TO 3VAC+ +/-IPCT AT 10KHZ-150MHZ++/-3PCT-700MHZ+1.2G 15MV TO 1500V	•/-10	554
LTITER REDUIRENEMENTLR)	[*]	LR TECHNICAL DATA FAMILY MONENCLATURE CUDE	9	9
eroldh lot pe l		CABLE 7157 SET 009	2227	
PARAULTE NAME	PAPANETER Codf	PARAMETER	ACCURAC OR AS	ACCURACY (PCT) OR AS STATED
COUPPENT VAME CLESSIFICATION DIM VSTOWS 14 MAZINS WELCOT IN XGZLAS POW STOWER CST/CONSUMPTION	001100	CARLE TEST SFT TYPE TILL.CLASS 5.COLOR R.STYLE PER HIL-F-28800 180HHF7INIMATJOHMELJINIHX45UMHLT7.7INIU 9KG/19.8LBS 50.650 & 400HZ S-PHASE 115/230VAC		
PLANTON MITHODIST	00140	CRIMORIA ANIS IN UNITS/VERT AXIS TO SIG AMPL.+5 TO-15DR	10/.	80
AMPLITUDE MENANTERNI AMPLITUDE MENANTERNI AMPLITUDE MENANTERNI AMPLITUDE MENANTERNI AMPLITUDE MENANTERNI	00180	REFLECTED AMPLITUDE, COVER GOOM IN LOOR STEPS OF 50,000 FT SELEMANE, SELVATV IN SOFTIALING BY 10610 HORE? SCALES	./-3	52
DJILFFFPF SCALFS IMPEDANCI INPUT/INFFUT PFCJPYP BUTPUT IFSF PH.SF CHAR	17600 34500 58400 75400	FIXED SCALES .66E.81VP/VAIR, I VAR FROM .35 TO I VP/VAIR 50.75.93 & 125 OHMS RESISTIVE HARD COPY GUTPUT FOR PERMANENT RFCURD SFLECTABLE.10MSEC TO LUSEC	./-1	

		LR TECHNICAL DATA	;	
LETTER BEDUIREMENTILED	141	NOMENCLATURE CHOE)E	10 HO
1.94.39LR03957		MODULATION METER 031		\$233
PARITELS NAME	PARAHI TER Curi	PARAHF I F.R.	-	ACCURACY (PCT) OR AS STAFEU
CLASSPACE NAME CLASSPACETON DISCUSSIONS IN MAJINS METGAT IN AGALAS FAO SOURCETS AND AGAING AM AGEN DAMES	00100 00105 00110 00170 00140	MODULATION METER TYPE 111.CLASS 5.COLOR R.STVLE E.PER MIL-T-28000 482.6HM[191N)WX330HM[131N)HX457NM[181N)U 14.52KG/32L8S 50.60 & 400H2 S-PHASE 115/230VAC 4M32 TO 75 DEC		
APPLITUDE ADDULATION AN INTERNAL DISTORTION FY JEVINALION FOR JEVINALION	0041E 0044E 0044E 00410 00410	3012 TO 50KH WUPEO 95 PCT MODULATION AN DISTORTION LESS THAN FM DISTORTION LESS THAN FM DEVIATION 30HZ TO 500KH? 20HZ TO 1GHZ 50 DHMS 20HY TO 3V RMS		-/-5 PCI 2 PCI 3 PCI -/-10 PCI
I FITER PEDULAENGUILRY	L.R.J	LR TECHNICAL DATA FAP MOHENCLATURE CC	FAMILY	0H 01
104 101 01 1047		FREQUENCY METER 020	c	52.30
PAVANI DI R. NAME	PARAMETER Coof	PARAHETER	•	ACCURACY (PCT) OR AS STATED
FOUTPH HE NAME CLASSIFICATION DISHNSTONS IN MM/INS MFTCHT IN 4G/LBS PASS SOURCES (157/CINSUMPTION	00100	FREQUENCY METER TYPE III,CLASS 5,COLOR R,STYLF PFR MIL-T-2000 LO2MMI4INIMXIS2MMI6IMIMXI27MMI5INID 2,04KG/4,5LBS ONTAINED FRID EQUIPMENT UNDER TEST/0,5M		
FISH PARTY AFFORMATION OF THE PARTY OF THE P	76500 82900 84000	AC LINES,45 TO 65HZ, OR 380 TO 420HZ VIRRATING REED PRINCIPLE, MINIMUM 20 REEDS 100 TO 250VAC		•/-0.5 PCF

		LR TECHNICAL DATA		
IIIILB REGUIOLNENIUED)	1	NOMEWCLATURE FAMILY CODE	92	10 MG
1'14 101 81 1076		INSULATION TEST SET 025	5231	31
PAZANITI D NAMF	PAPANFTER CODF	PARAHETER	ACCUR, UR AS	ACCURACY (PCT) UR AS STATED
	00100 00110 00110 00120 00140 00150	INSULATION TEST SEF TYPE 111.CLASS 5.COLOR R.STYLF E.PIR HIL-T-28000 260HILIOINIMX260HHILOINIHX235HHI91HID 7.5KG/12LRS 50.60 G. 400HZ 5-PHASE 115/230VAC 5000 HOURS DETACHABLE TEST LFADS		
TEAP THE STREET ING PINE O PANCE OF SESTANCE HEASUREMENT	00210 56800 59600	/-55 TO 75 DEG C 10 TO 1000VDC,SELECTARLE VOLTAGES 500KOHMS TO 200 TERA DHMS	6-/·	104
		LR FECHNICAL DATA		
LFIFF REDUISEMENILLRI	(8)	NOMFINCLATURE FAMILY CODE	9	ON 01
13830[81407]		HF GUHMME TF R	26.32	20
. LHAK GII PAAG	PARAMFTER CODF	PARAHETER	ACCURA UR AS	ACCURACY (PCT) UR AS STATED
CLASSIFICATION DISASSINI IN MATINS WITCHE NG AGAINS WITCHE NG AGAINS FWK STUPFFILEN IF WE OFFER NUMBER THAT	00100	MEGDHMMETER TYPE III.CLASS S.COLOR R.STYLE E.PIR MIL-T-20000 160MH6JINIWX105MH6JINIWX80MM6JINID 1.*MG/JLMS POWER OBTAINED FROM MAND CRAWK /-55 TO 75 DEG C		·
TEST VIR TAGE	76.800	O 10 INFINITY.W/O 10 100 MFGIHMS PLADABLE FROM CAL-SOURC 600vDC Max.W/Hand Cramk	JRC •/-5	554

		LR TFCHNICAL DATA	
TILLER BEOMINEMENTER	11.19	NOMENCLATURE CADE	ON 01
41.00 K 306 K-1		PATIFOR GENERATOR 067	5234
PASAWER WANT	PARAMETER CUDF	PARAMETER	ACCURACY (PCT) OR AS STATED
FUNCTION CLASSIFICATION DISPOSITICATION	00100 00101 00105 00105	PATIERN GENERATOR CONI-MARK/SPACE OR ALT.EFOX MSG 5 LEV BAUDOI/8 LFV ASCII Type III.Glass 5.color R.Stylf (.pfk Mil-1-2080) 105AW141N1WX315AW1121N1HX105AW141N1D	
AFICHT IN KGALBS STGANDARY PHR SOUPCE TEMP THE VANNAMERALING OTTOGATION TRANSMISSION TRANSMISSION TRANSMISSION	00120 00145 00216 02600 14900 19500	2.3KG/5LRS 7.3KG/5LRS 5FLF CONTAINED RECHARGEARLE DATTERIES 5-45.21 10 5 DEG C 45.47.21 1106150 BITS/SEC SELECTARLE HIGH LEV 20/60MA NEUTRAL LOOP.LUW LEV IAW MIL-SFD100-114 DISTORTION DUTPUT LEVELS.0 TO 37.5PCT.IN 12PCT INCREHENT IMT SFLECTARLE.NONE.DDD OR EVEN PARITY	134 E-/+
IIITER 4EGUIDEMENILLP)	114.03	LR FECHNICAL DATA FAMILY NOMENCLATURE CODE	0 H
1283018320		DECADE RESISTOR 201	5228
PAKAYI II U NAME	PARAHFTFR CHOF	PARAMETER	ACCURACY (PCT) UR AS STATED
FOULTH AT TARE CLASSIFICATION DIMENSIONS IN HAZINS WEIGHT AS VEHICLES THE OUT PANIM-UPFRATING OFSISTANCE HEASURFHENT	00100 00105 00110 00170 00140 00710	DECADE RESISTOR 17PE 111.CLASS 5.CULOR R.STYLE E, PER MIL-T-2000 127MH/5.INJWX76.2MH/3INJHX304.8MH/12INJO 3.2KG/7LRS MINE 1-55 TO 75 DEG C 1 11.11KQHMS 1 N 5 RANGES	7-7-

		LR FECHNICAL DATA	> 1144	
LETTER RECOURSEMENTILES	\$	NOMEACLATURE	CODE	0N 01
174 101 85 3068		SPECTRUM ANALYZER, 10MHZ IN 40GHZ	790	5237
PARAMITI O VAME	PARANFTER CODE	PARAMFIER		ACCURACY (PCT) OR AS STATED
FOULTHING NAME CLASSIFICATION DIM WITHEN TH MRZINS BEFAULT IN ACTERS PWR SOURCE(S)/CONSUMPTION	00100 00105 00110 00120 00140	SPECTRUM ANALYZER TYPE 111.CLASS 5.CDLDR.STYLE E.PER MIL-T-28800 462.AMM1191M1WX355.GMM1141W1WX09.GMM1241W1D 27.2KG/601RS 50.AG 400HZ 5-PHASE 115/230VAC		
TCHS SELPZNIN-OPFRALING ANDLINDS HEASUREMENT ATTSWINTING FOLS CANGE THE DANGE - INPUT CTSTUTION	00210 00200 00200 00200 00200 00200	-55 TO 75 DEG C100TD-20DBM/18GHZ,70740GHZ100TD-20DBM/105DBM/8.2GHZ,70DBM/18GHZ,70740GHZ IF ATTENDATUR,51DB IM 1DB STEPS 1DMHZ TO 40GHZ, 1PCT -/-10MHZ OF IMDICATED VALUE 50 DHMS 1TO 100KHZ IMMUTE	NE 106/LIN	108/6PCF
LETTER REDUIREMENTED	â	LR TECHNICAL DATA Nomenclature	FAMILY CODE	0 0 0
174 191.854866		SPECIPUM ANALYZER,4KIIZ TO 9.1MIZ	090	\$236
PARAYETTO NAME	PAPANFTER COOF	PARANFTER		ACCURACY (PCI) OR AS STATED
FOULD WE WANT CLASSIFICATION DISWISSIFICATION AFIGHT IN KGALBS PAR STUDIST STATION TEAR OUT STUDIST	00100 00100 001100 00100 00100 00100	SPECTRUM ANALYZER TYPE III, CLASS 5, COLOP R, STYLF E, PFR MIL-T-2000 4R2, 6.HH (191N) WK203, ZHH (8 IN) HX4R2, 6.HH (191N)U 12,7KG/20L8 50,6U & 400H S-PHASF 115/230VAC CRT W-20 TU +100B W/00R REF LEVIL -55 TO 75 UFG C	9	
215.11 1.18.2 245.11 1.18.8 546.7 2.16.8 546.7 2.18.8	00911	NTHE TO STAND & 3AD SWIEP LFSS THAM I SWEEP PER SECOND SFLECTABLE.O-3.1KHZ.10KH7 TO 12KH7£ AT LEAST 100/300KH2	00/300KH2	•/-1 PCI

		LR TECHNICAL DATA	
HITTER KFOURFHINTELRY	(14)	NOMENCLATURE CONE	0 N O1
198301855069		SPECIRUM ANALYZER.100KHZ TO 1.5GHZ	95.76
PANNEL P MANE	PARAMETER CUDE	PARANETER	ACCURACY (PCT) OR AS STATED
FOULD HIME MARE CLASSIFICATION OFFWASIONS IN MM/INS MFISHE TH KOLLES PARE SHIPPIET IS FOUNTION OF ARMY HIMPISS FROM THE WOLLD FRATING	01100 04100 04100 04100 04100	COLOR R.SIYLE E.PER H S.Ghmeisindinkoog.chme 14SE 115/23OVAC DR ·/-5 PCT BTWM ANY	
AMPLITUDE HEASUREHENTS DAMBLIS HEASUREHENTS DYMALIC RANGE	00500 05300 22000	-1000PM TO +300BM F OR LUG SCALE: 1KHZ TO 2HHZ AT 1 FAST KODB	•/-108 •/-2 PCI
Fact Panci Southous besponse Suite Hode	24500 68800 72400	100KHZ TO 125HZ W/DISPLAY 80DB RELOW LEVEL OF INPUT SIG AUTOMATIC E MANUAL MODE AUTO-SWEFP SFLECTABLE FROM 3MS/DIV TO 1SEC/DIV	• • • • • • • • • • • • • • • • • • •
		LR TECHNICAL DATA	
ITTER REGULATIONS	(1, 9)	NUMENCLATURE C006	ON OI
194321856086		SPECTRUM ANALYZEK.15KII? TO 50KII? 075	5235
PACANI SI U NAME	PARAHFTER CODE	PARAMER	ACCURACY (PCT) DR AS STATED
COULDING NEW MARK CLASSIF FEATION DEFINATION NAMED NO MEGIT IN MCLERS PAU SOURCE SELECTION OF AUTHER HEHMASE SEME OF VAINTHERS	00100 00100 00120 00120 00120	SPECIRUM ANALYZER, TYPE	
ATPLITUDE AF ASURTHENT OF 1913 AT ASUREMENTS	00200	-1500BM TO 300BM/-5PCT VOLTACF/-IPCT AT LUG SCALE 15HZ TO SOKHIY WERVER HEIMETEN ANY 2PTS. 2PCT SO AND ADD UNITED MORTHER.	.f. •/-100H/
GECTORITY OF SPINSE SEUTING STAFFSTOP SWIFF AUDIE	58400 68800 72040 72400	SWEEP VOLTS AND STANDARD SWEEP VOLTS AND SWEEP VOLTS AND SWEEP WOLTS AND SWEEP FRED THROUGHOUT FREU BAND AUTOMATIC E MANUAL SWEEP MOUT WARTARLE FROM "ISEC TO 200 SFCUNDS	

		LR TECHNICAL DATA	
I TILL BEOMINEM NITES	18)	NOMENCLATURE CODE	10 NO
198301859035		TELETYPE TFST SET 067	5238
PAKAPI II O NAPI	PAPAHFTER COOF	PARAMETER	ACCURACY (PCT) UR AS STATED
FOURTHON FUNCTION GLASSIFICATION DIECNSTINS IN MAZINS	00100	TELETYPE TEST SET GEWEREC MARK/SPACE,FOX MSG,SLFU NAUDOT/BLEV ASCII/ TYPE III,CLASS S,COLOR R,STYLE E,PIR MIL-T-2000U 4A2.6MHII9IM)MX315MHILZINIMX470MHII0INIU	•/-2 PC1
WEISHT IN KGALBS PWS SHUBCITSTACHNOMETHN THEN OFFI STANDOMEDERATING AUR OHITPUT ALL OWER CHUNI	00170 00140 00210 04400 07200	18KG/40LBS 50,60 & 400HZ S-PHASE 115/230VAC 7-55 TO 75 DEC C AUX OUTPUT TO MONITUR GEN & ANAL MAVEFORMS W/SCOPF COUNTEULSPLAY RIT ERRURS 37.5,45,47.2,50,75,1110,150,300,600,1200,24000,4600HD	
DISTURTION MEASUREMENTS TO MESSION MEASUREMENTS THE PART OF PART STORM PARTIES TO ME STORM PARTIES TO MESSION PARTIES TO MESSIO	1,550 1,700 1,7100 5,000 5,1200 5,1300 1,5500	O TO \$PPET IN LPCT HOKEMENTS O TO SOPET FOR MARK.SPACE. END DISTRIBUTIONLPEAK DISTORTI MARK/SACE/20-7-BIT FSEUOD PIRN.FOX MSG/SLEV OR BLEVEL 37.5-45.47.2.50.75.110.150.100.600.1200.2400.4400.9600BD MARK/SPACE/20-7-BIT PSEUOD PATED PN.EL-6. SEG/S.6.7.8 LEV A LEAST 2 METHIOS TO DETERHINF PARITY ERROR SFLECABLE HILLY POLAR/NEUTRAL. SYS HUBGLO LEV LOC EXT +/-6VOC TIME SOURCE FOR GEN & ANALYZER	
LITTE PTOURTHENIER)	16.83	LR TECHNICAL DATA FANILY NOMENCLATURE CODE	0 01
100 100 100 100		TEMPERATURE IMDICATOR 070	5239
HWW a fl levave	PLBANFTER COOF	PARAMFIFR	ACCURACY (PCT) OR AS STATED
CLASSIFICATION DIRECTORS IN MM/INS MITCH IN KG/LBS PRO STUPFICS/CONSUMPTION HTSF ON F/NUM-OPFOATING	00100 00105 00110 00120 00150	TEMPERATURE INDICATOR TYPE III.CLASS 5.COLOR R.STYLF E.PER MIL-T-28800 228.AFFINIMX127MM/51M1HX203.2MHf81M1D 1KG/2.2LBS WIW/OR RECHARGEABLE BATTERIES.24COM1. HRS/8HRS 4500 JUNES	
TEMPERATURE, PRINCE	75210 01.521	-55 TO 130 DEG IN Z-5 KANGES REACH 63.2PCT UF ICMP MEASURED MITHIN 10SECESTABLE BY 60	S +/-1 PCT

RANSHISSION IEST SET (TELEPHONE) TRANSHISSION IEST SET (TELEPHONE) TRANSHISSION IEST SET (TELEPHONE) TRANSHISSION IEST SET TRANSHISSION IEST SET TRANSHISSION IEST SET TRANSHISSION IEST SET TO 60 6 40016 S-PHASE 115/2304AC AC MITER-1 IN ANSOLUTE VOL IS, DA/LIM AI 600£00 REF 1PM DRRM /-55 TO 75 DBC C 110 DR HANGE IN 10 & 108 SIFPS.*/-,2 & .0208 RECPECTIVE 4008 RELDW FUNDAMENIAL FRIO 541 TO 560KH 75-135-150-600-60 & 900 GHMS AND HI-BRIDGING CAPABILITY MOMENCLATURE DIFFERENTIAL VOLIMETER TYPE III.CLASS 5-COLOGY R.SIYLL E.FIR HIL-T-28800 7-00-60-60-60-60-60-60-60-60-60-60-60-60-			LK FFCTALCAL UALA	FAMILY	
PAPAMETER	REGULATHUME	18)		100	ID NO
PAPAMETER	18459			r.	9540
Onloo Transhission Test Set		P AP AHF TER CIIDF	PARANFFER		ACCURACY (PCT) UR AS STATED
00105 TYPE III-CLASS 5, CUBOR 8, STYLE (FPER MIL-T-28800		00100	TRANSHISSION TEST SET		
00120 00120	22.11	90100	TYPE III, CLASS 5, COLOR R, STYLF [,PER MIL-1-20800		
00140 50.40 £ 40012 S-PHASE 115/230VAC 00100 AC HITER IN ANSOLUTE, VOLTS, DA/INM AI 600EDB REF 1PW DRKN 002400 110 DR MANGE IN 10 £ 10B STFDS.+/2 £ .020B RECPECTIVE 11400 400B RELOW FUNDAMENIAL FRIG 26500 544 70 560K47 26500 68AANCFD W/RESPECT TO GND 46300 6850 BELOW LEVEL DF FUNDAMENIAL FREQ 66500 6850 BELOW HITTER 66500 6850 BELOW LEVEL BROWN HITTER 6650 6850 BELOW FRETER 6650 BELOW FRETER 6650 6850 BELOW FRETER 6650 6850 BELOW FRETER 6650 BELOW FRETER 6650 6850 BELOW FRETER 6650 6850 BELOW FRETER 6650 BELOW FRETER 6650 6850 BELOW FRETER 6650 6850 BELOW FRETER 6650 BELOW FRETER 6650 6850 BELOW FRETER 6650 6850 BELOW FRETER 6650 BELOW FRETER 6650 6850 BELOW FRETER 6650 FRETER FR		02100	13.6KG/30L8S		
002100 AC RIFER, IN ANSOLUTE, VOLTS, DA/LINH AT 6006DU REF IPW DRKN 00210 1-55 TO 75 DEG C 12400 4008 NELOW FUNDAMENIAL FRO 25500 5412 TO 560KHZ 26500 6519 BELOW LEVEL OF FUNDAMENIAL FREO 6519 BELOW LEVEL OF FUNDAMENIAL FREO 6519 BELOW LEVEL OF FUNDAMENIAL FREO 6510 6510 6510 75 5.CULOR R.SIVLL L.FIR MIL-T-28800 6510 6510 6510 75 75 10 75 1	CUNSUMPT I HIN	05100	50.69 E 400HZ S-PHASE 115/230VAC		
02.00 02.00 02.00 03.00 04.00 05.04 05.00 05.04 05.00 05.04 05.00 05.04 05.00 05.04 05.00 05.04 05.00	7(5)	09100	AC METER, IN AMSOLUTE, VOLTS, DA/IMW AT 600£DB REF 1	IPW ORKN	
THE TIME TO THE TO THE TOTAL TO THE TOTAL TO THE TOTAL	11411411111	01200	1-7-1 11		
26500 5HZ TO 560KHZ 26500 6HZ TO 560KHZ 26500 5HZ TO 560KHZ 26500 6HZ	ORTION	19400	ADDR BEFOR FERNIAMENTAL FORD	PECTIVE	
CHING. 26.000		26500	5H 10 540KH7		
CHING CHANGE 194800 195,135,150,600, 6 900 OHMS AND HI-BRIDGING CAPABILITY FASURIHMY 197000 9000H 10 +520BH 1N 10 DBH STPS FASURIHMY 197000 9000H 10 DBH STPS 40800 9000H 10 DBH STPS 64000 10 STALMCF WEESPECT 10 GND FALANCF HORACED WRESPECT 10 GND 10 STALMCF HORACED WRESPECT 10 GND 10 STALMCF HORACED WRESPECT 10 GND 11 CHANGO STALMCF WEESPECT 10 GND 11 CHANGO STALMCF WEESPECT 10 GND 12 CHANGO AT LEAST SVAC TO OPEN CRIT.62.5VAC INTO 600 OHM LOAD 12 CHORE 12 CHANGO AT LEAST SVAC TO OPEN CRIT.62.5VAC INTO 600 OHM LOAD 12 CHORE 12 CHANGO AT LEAST SVAC TO OPEN CRIT.62.5VAC INTO 600 OHM LOAD 12 CHORE 12 CHANGO AT LEAST SVAC TO OPEN CRIT.62.5VAC INTO 600 OHM LOAD 12 CHORE 13 CHORE 14 CHORE 15 CHORE 15 CHORE 16 CHORE 17 CHORE 18 CHO		26900	5H2 TO 560KH2		
FASURE HENT LA 1000 -950HH TO +520BH TO 10 DBH STEPS MEANUE HENT 40800 400B NG NT MIRES 645000 3KHZ FLAT.C-MSG.15KHZ FLAT & SOKHZ OHSE NOBBELON LEVEL DE FUNDAMENTAL FREQ LR TECHNICAL DATA P RF 0111PF HENTLR PADAMETER LR TECHNICAL DATA P RF 0111PF HENTLR PADAMETER LR CONTO DIFFERENTIAL VOLTHETER CONTO DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER NAVINS 001100 DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER NAVINS 001100 DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER NAVINS 001100 DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER NAVINS 001100 DIFFERENTIAL VOLTHETER TO 00100 DIFFERENTIAL VOLTHETER T	CHINE	34800	75.135.150.600. E 900 OHMS AND HI-BRIDGING CAPABI	TI ITY	
MEASURE HIS 37000 RALANCEO W/RESPECT TO GND MALANCE A 00000 05000 4000 MINES MALANCE MALA	IFASUSE HENT	16.900	-9504H IN +5208H IN TO USH STEPS		+/020B
ACTION A	ME A SURF HENES	37000	RALANCFO W/RESPECT TO GND		
NG NOTEWINSKS	BAL ANCT	40800	4008		
	NG NETWORKS	46 300	3KH? FLAT.C-MSG.15KHZ FLAT & SOKH?		
LR TECHNICAL DATA P RF 0111PF AF MUMENCLATURE LR67*14 PAPAHFTER CLOR PARAHFTER CLOR	1	84900	6309 BELOW LEVEL OF FUNDAMENIAL TREG AT LEAST SVAC TO OPEN CKT.62.5VAC INTO 600 DHM LO	040	
LR					
P RF 0111PF ALK NUMENCLATURE FAMILY				1	
PAPAHFTER DIFFERENTIAL VOLTHETER 121		183		MILY	ON OI
F CLOR PARAMETER CLOR PARAMETER CLOR DIFFERNTIAL VOLTHETER 1 00100 DIFFERNTIAL VOLTHETER 00100 TOPE ITI.CLASS 5.COLOR R.SIVLL L.PTR MIL-T-20000 1 00120 6.4KG/14LBS 1 00120 10				12	6226
F CLOR PARAMETER 1 00100 DIFFERNTIAL VOLTMETER 1 00105 TYPE ITI.CLASS 5,CDLOR R.SIVLL L.FIR HIL—T-28800 1 1		PAPAME TER			1100 434011334
00100 DIFFERENTIAL VOLTHETER 00105 TYPE 11.CLASS 5.CDLOR R.SIYLL L.FIR HIL—1-28800 148 100105 TYPE 111.CLASS 5.CDLOR R.SIYLL L.FIR HIL—1-28800 260100	<u>.</u>	CUD	PARAMETER		UR AS STATED
MATHYS UDIOS TYPE ITTICLASS 5.CCLOR R.SIYLL E.FIR MIL-T-28600 MATHYS UDIOD ZEORMITOTANIMZ354M(91N1MX405 L95 COMSUMPTION 00140 50.60, £ 400H7 S-PHASE 115/230VAC -0P!RATIMG 007210 /-55 TO 75 DE C -0P!RATIMG 26:00 5H2 TO 5KH7 UT 34.400 100 MEGIUM DC 1 MEGUUM AC H4600 100MY MIN FOR DCV.LMY MIN FOR ACV H4600 1HV TO 1000VAC	<u>u.</u> 1	00100	DIFF FRENTIAL VOLTHETER		
L95 CGMSUMPTION 00120 6.466/Jales CGMSUMPTION 00140 50.60, 6.400H7 S-PHASE 115/230vAC -0P!RATIMG 00720 /-55 TO 75 DEG C -0P!RATIMG 00720 50.400 50H7 TO 5KH7 UF 34400 100HV HIN FOR DCV-LHV HIN FOR ACV H4600 100HV HIN FOR DCV-LHV HIN FOR ACV H4600 1HV TO 1000VAC	AH / 186	0100	PARTICLESS SICOLOG RISTALL LIFTE MIL-1-20800		
/COMSUMPTION 00140 50,60, & 400H7 S-PHASE 115/230VAC -OPTRATIMG 00710 /-55 TO 75 DEG C 26:00 5H7 TO 5KH7 UT 34400 100H7 HIN FOR DCV, INV HIN FOR ACV H46:00 100H7 HIN FOR DCV, INV HIN FOR ACV H46:00 1HV TO 1000VAC		00150	6.4KG/141 RS		
-OPTRATING 00710 7-55 TO 75 DEG C 26:00 5HZ TO 5KHZ UT 34:00 10 HEGHIN DC, 1 HEGHIN AC 46:00 100HV HIN FOR DCV, LIV HIN FOR ACV H4:00 1HV TO 1000VAC	VCONSIGNET TON	00140	50.60, £ 400H/ 5-PHASE 115/2304AC		
26:060 5HZ TO SKHZ 34-400 10 MFGUHM DC 1 MFGUHM AC 46:800 100MV MIN FOR ACV IN B RANGES 84:000 1MV TO 1000VAC	1-OPFRATING	01200	/-55 TO 75 DEG C		
34400 10 AFGIHM DC, 1 MFGDIM AC 46800 100MV MIN FUR DCV, LMV MIN FUR ACV 84000 1MV TO 1000VAC		26.100	SHZ TO SKHZ		
IOONV MIN FIR DCV, INV MIN FIR ACV INV IO 1000VAC	11	34400	10 MFGIHM DC+ 1 MFGDHM AC		
LMV TO 1000VAC		46.800			
		84000		RANCE S	*/2 PCI

		LR TECHNICAL DATA	;	
11 ITER RENUTOFATULE	181	NOMENCLATURE	C00E	0N 01
10414541		TRUE RMS VILTMETER & DB METER	080	5241
PAFAMETLE RAME	PAVAMÉTÉR CHNF	PARAHETER		ACCURACY (PCT) UR AS STAIED
CLASSELECTION DIE STINS IN ANTINS BEGINS TO ANTINS BEGINS TO ANTINS RESOURCES TO ANTINS RESOURCES TO ANTINS RESOURCES TO ANTINS RESOURCES TO ANTINS ANTINS TO ANTINS ANTINS TO ANTINS ANTINS TO ANTINS TO ANTINS ANTINS TO ANTINS	00100	TOUE RHS VOLIMETER AND DR METER TYPE 111.CLASS 5.CLUDR R.STYLE [.PLR MIL-T-28800 2.25MH(8.51N1MX170MM(6.51N1MX325MH(12.51N1D 4.5KC/10LRS 50.60 & 4.00H2 S-PHASE 115/230VAC CALIB METER IN RMS & DB PEF TR 1MM/600 DHMS -25 TO -55 DG C		
ŭ	26400 26400 58400	TO TO TO TOWN OUT OF THE OUTPUT VOLTAGE IV MAX		+/-3 PCI
VINETAGE AND INPUT THOS DANCE VINETAGE TOUR RMS	84110	2 MEGNIN SHUNTED BY LESS THAN 25PF 300Y TO LODOVAC		+/-3 PCI
		LR TECHNICAL DATA	> : # Y	
LETTER BEOUREMENTER	183	NDMFWCL A TUP E	CODE	0N 01
1.44 101 H 24 0 H 2		VECTOR VOLTHETER	074	2545
SHEP A 12 INFORM	PARAHETER CODE	PARAHFTER		ACCURACY (PCT) OR AS STATED
FULL FALLE I NAME FLASS PLEAT RAN DIM METURS IN MALINS BAU SCHOOL IS A CONSUMPTION IT ME DO PRINCH IS A CONSUMPTION IT ME DO PANCE IT DIMPHI	00100 00110 00110 00110 00110 00110 00110 00110	VECTOR VOLTHETER TYPE III.CLASS 5,COLOR R,STYLE E,PFR MIL-T-28800 431.8HM112IN1WX177.8HH77IN1WX482.6HH1191N1D 18.14KG/40LRS 50.60 & 400H1 S-PHASE 115/230VAC /-55 TG 75 DEG C 15ULATION,70DH 1.5HH7 TO 1.5HH2 20KH7	_	
IN TANDENTHE FACILITY OF MENT	000.91	-7004M TO -1008M 1MV/600 UHMS		+/308
IMPUT VII TAGE RANGE PHAST HEASHREMENT	17600	ZVAC PEAK -180 TU +180 DEGREES,W/4 PHASF ANGLES++180+60+1866 DEG	ite DEG	•/-1.5 DEG

		LA TECHNICAL DATA	
LETTER REDUISEMENTALES	1.91	NON! WCLATURF CODE	0N 0.7
193 101 275 667		WATIMFTER.LIOKN) UB2	5244
PAPANTTI P NANI	PADANFTER CUDF	PARAMETER	ACCURACY (PCT) OR AS STATED
FOULD NAME CLASSIFICATION DIP VSIENS IN MAZINS WEIGHT IN VOZLOS	00100	WATTMFTER TYPE III.CLASS 5.COLOR R.STYLF E.PER MIL-T-20800 203.JMM.FINJWXI52.4HK6INJHX203.ZMM.BINJD 3.63KG/M.FS	
PWG SOUPCIESTONSUMPTION 11 MP OFF SYNON-OPFGATING FOL. SANGE	00140 09210 28500	PROVIDED BY EQUIPMENT UNDER IFST 7-55 TD 75 DEG C 2ML7 TD 2-3GH7 50 DIMYS	
POWER CAMES INSERTION VSWR VIFICITO POWER VOLTAGE STANDS MAVE RAF	55840 55840 58450 86500	IN TO LOKU LESS THAN 1.1 TO 1 100MU TO 1KW MAX 1.0 FO 1 TO 2.0 FO 1	-/-5 PCI
		LR FECHNICAL DATA	
IIIIFA BEOUIDEMENICLR)	(18)	NOMFINCLATURE CODE.	DN 01
198361876661		WATTHETER. (500H) 040	5243
SHEP AIR INVOES	PARAHETER Cude	PARAMETER	ACCURACY (PCT) OR AS STATED
FULTANIET MAME CLASSIETONION DIPINIONE IN MAXIMS	00100	WATTHEFER, 500W TYPE 111.CLASS 5.COLOR R.STYLF E.PER MIL-T-2000U 152-APHIGINDUX215.9MH(8.5IN)HX472.2MH(181N)D	
FAP SUICE (SP/CINSULPING FAP OF SAME TONE	00140 00210 26500	PRINTED NY EQUIPMENT UNDER TEST+50.60 UR 400HZ 7-55 TO 75 DEG C 30 TO 500HIZ	
THE TAKET - LAPIT PON: - OANTE INS! PTION VSMR	34400 56800 56840	50 OHMS 0 10 500W LESS THAM 1.3 TO 1	17-5 PCI

		LR TICHNICAL DATA	
to TIIN Ju Jaliii Ja a sii si	167	MOMENCLATURE CODE	10 MG
134 30LR 7800A		X-Y RFCIIRDER	\$548
PARAM' FIF 4AMF	PABANETER CRBE	PARANETER	ACCURACY 1PC13 BR AS STATED
CONTRACT TARE CLASSIE FRATION CLASSIES IN MAZINS 45 FOIT IN KOLERS PAR SOURCE EN SOUR	00100	X-Y RECOPDER TYPE (II,CLASS 5,COLOR R,STYLF E,PER HIL-T-20800 48,MH1191N)WX356HH114IN)HX178HH171N10 56,60 6 400H17 5,-04455 115423000	
TEMPOND PANNAMENT AND	00210 04400 14400 37600 45400	7-55 TO 75 DEG C AXIS OF 2 CHAM*S ANGLES OF 90 DEG TO LACH UTHER 700K DHM FOR LMY TO 100MY & 1 MEGNUM FUR 1Y TO 100Y/INCH 701K FOR LMY/INCH TO 100Y/INCH */-0.2 PCT OF FULL SCALE PROTECTION FOP EACH CHAN FOR OFF-SCALE DEFLECTION	*/-2 PC1
	\$1600 67200 88000 8800	MAX OF 2PCF FOR EACH CHANNEL AT LEAST 20 INCHSSEC 0 1/2 NY 11 INCHES OFFSET ZERO VOLTS INDEX POINT +/-1 FULL SCALE	134 1-/+
LESTED REDUIREMENTERS	L R J	LR TECHNICAL DATA FANKLY MOMENCLATURE CODE	10 NO
174401 RD407 1		DIAL EDUIPHINT TEST SET	5248
SEVE , ILLEGARD	PAPANFTER CHOF	PARAMETER	ACCURACY (PCT) OR AS STATED
FOULD PAINT AAMT CLASSIE FATTON OFFICE SEATTON WEISTY IN KCALBS PUS STUDET FS I COMSUMPTION FF NO THE AMOUND FOR EAST	00100 001100 001100 00120	DIAL EQUIPMENT TEST SET TYPE 111, CLASS 5, COLOR R, STYLF E, PER MIL-T-20000 463MHT19IN1MX406MHT16IN1HX354MHT14IN10 13.4KG1301851 MAX 50Ht4640Ht440Ht1 S-PHASE 115/230VAC,FXTERNAL -40VUC	
FIRE THE PRESENT ON STREET PROBLEMS STRUCT FROM STRUCT FOR STRUCT FROM STRUCT	63200 63200 63300 63150	SF TONE 2600MI SFRO FUNCTIFE A MARI-OPEM, BAT-GNO, LOGP DIAL SUNSE RATE 5 TO 20PPS IN 1PCT INCREMENTS SIGNAL POT AREAK (SEND) ADJ FROM 1D TO 90PCT IN 1PCT INC MIAS REF PUSSES SEND) ADJ FROM 1D TO 90PCT IN 1PCT INC	-/-1
	63400	REC PULSE PET BREAK 10 TO 90PCT SF TANE LEVEL ADJ FROM 0 TO -JOURN AT 600 GHMS.	*/-1 PCT

		LR TECHNICAL DATA	
LITTER REDUBLISHMENTELP	169	NOMENCLATURE CODE	10 40
1.98461 R07077		ERROR PATF CIMINTER 013	\$250
TYN SIL LIVEY	PARAHETER CODF	PARAMETER	ACCURACY (PCT) OR AS STATED
COUPPINE MANG CLASSIT ICALIUM DIMENSIENT IN MAZINS WESTONS IN MAZINS WESTONS IN MAZINS PARS SOURCE ISSUCIONSUMPTING	00100 00105 00110 00120 00140	ERRUR RATE COUNTER TYPE III, CLASS 5, COLUR R, STYLF I, PER MIL-T-2ABOO 483MAI?9INJMX203MMIBIMJHX406MMII&INJD 11.3KG125LBS1 50H2.60H2.40H4 S-PHASE 115/230VAC -55C II •75C STORAGE	
ALL LEDD COMMIT DAIA SICHAL, FIRMAL DAIA SICHAL, RIL 9A16 DISTORAL NASAUREHINE FRZUT 4-AMSHISSION CAPETER 1055 91 CUROL INSTOL	07200 15710 15710 20000 22800 27100 58400	PROVICE READDUT OF BIT & RLOCK ERPDRS GFM & ANALYJE SVNC E ASVNC BINARY DATA SIG, HALF, FULL DUP GFM & ANALYJE SVNC E ASVNC BINARY DATA SIG, HALF, FULL DUP INT 150 TO 30-000PSGEXT I HINDS HEASURE PEAK E RIAS DISTORTION IRANSHIT KNOWN ERRORS WITHIN THE TWANSHIT DATA SIGNAL INDICATE LOSS UF REC SIGNAL CONDITION RECORDER PREMIER OUTPUT CARABILITY HARK, SPACE ALT MARKS & SPACES, 63, 611 & 2047BIT 1FST PATT	1 E F F F F F F F F F F F F F F F F F F
L'TIFR RFOUIPIMENTLE!	[6]	LR TECHNICAL DATA FAMILY MOMENCLATURE CODE	0
19840[8]2076		THPULSE NOISE TEST SET 023	2525
HVR dilitered	PARANFTER CODF	PARANETER	ACCURACY (PCT) UR AS STATED
CLASSIFICATION OLV SSIPER IN WALINETIN OLV SSIPER IN WALINE WITCHT IN WALLES	00100	IMPULSE NNISE TEST SET TYPE III, CLASS 5, COLOR R, STYLF F, PER MIL-T-20000 450441171NJWX26044110INJJWX55044(211NJ) 29.5KG165LBS1 5042.6012,40044 S-PHASE 115/230VAC	
INC. CHAIMIL MBISI	32400	-731 10 TO STATE FROM TO TO OBBRING TO THE STATE OF THE THREE BRIDGING CAPABIL INPUT 7,135,600,900 GHMS MAL-GNU,TEM E BRIDGING CAPABIL	81T •/-1 DB
THEORY OF MITS' THEORY OF MITS' WIND THE MITS' TO COMMON MERSON THE MITS' TO COMMON MERSON TO MITS' TO COMMON MENSON THE MITS' TO COMMON THE MITS' THE MITS' TO CO	00191 14060 14060 14060	COUNT THE LAGGE STANDISE I FROM O TO 940 ADJ THE SHOLD FROM 30 TO 900RRN 7 INPULSES/SIC MIN CAPARLE OF PERFORMING MOISE TO GNO MEASUREMENTS AT LEAST 90K OHMS BEN I/R,100K OHMS BET I/R & GROUND	+/-0.25 08

The second secon

		LR TECHNICAL DATA	
I III BIONICIA MILLE		NOMINCLATURE CUDF	0 W Q I
1.9446[#15654		MICRIWAVE LINK ANALYZER	5253
PACK 9 - 1 PACA	PARANG TER CONF	PARAMETER	ACCURACY (PCF) UR AS STATED
Chassistent of manical control of the state	001100 001100 001100 00110 000140 0000 000140 000140 000140 000140 000140 000140 000140 000140 00014	MICROMAVÍ LÍNK ANALYZER TYPE III. CLASS 5, COLOR P. STYLF F, PER MIL-T-ZABOU 483MHIGINDKAB9HHAISINJHK4B3HHAIJJINJD 136.0HKG1300LBS1 50H.460HZ-460HZ 5-PHASE 115/230VAC 55C TO -75C STORAGE IF FRO, INPUTAUTOUPUT FRO RANGE 45HHZ TO 95KHZ,COMI VAR CONSISTS OF IF/AB XMTR & RCVR 3XMTR SWEEP RATES 70HZ-4-3HZ.LINE & EXI FROM 10HZ-100HJ 0 TO -4-25MHZ AROUT THE IF FREO OF 70HHZ MEAS FM DEV FRUN 0.5-500KHZ RNS-9F MB FREO AM VARIARLEO TO 15PCT/00RM INPUTAT FREO 250KHZ-10MHZ	A ./-0.5 MIL
		LR TECHNICAL DATA FAMILY CODE	9
178401420458		IG TEST SET A	1626
באראים בו בי אאת	PAPANFTER CODF	PARAMFTER	ACCURACY (PCT) UR AS STATED
3N11V0 J40 T 4 4 M T 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	69100 09100 09120 09120 00140	MILSF LUADING TEST SET TYPE 111. CLASS 5. COLUR R. STYLE E. PER MIL-T-28RDU 40.8/XC190LRS 40.8/XFMH18IN3HK533HK721IN3D 40.8/XC190LRS 5.PHASE 115/230VAC -55C 10 175C 570RAGE	
I PPI DANCE, IMPULZOHIPUT I MILIT MILIS PEPO BANGE MILIT MILIS FEFO BANGE MILIT MILIT MILIT MILIT MILIT MILIT MILIT MILIT MILIT	14500 15100 16410 86700 87000 87020	INFUT/OUTPUT 7, 75 DIMS O 10 -500RM ADJUSTABLE WHITE MOISE, 82KHZ TO 12.4MHZ ZKHZ NOTER THE RANGE MINIMUM OF 6 CH MINIMUM OF 2KHZ SERSITIVITY12008M ATTENUATION, O 10 800B	*/-1 PCT

		LR TECHNICAL DATA	
I . I I ER PFOUIPFALNIEL .	(14)	NOMENCLATURE CODE	0× 01
10446 8 31 4 74		PHASE JITIFR METER 037	5255
	PAPANFIFR		ACCURACY (PCT)
PARAMETED NAME	CODE	PAKAMETER	UR AS STATED
then Itt walte t	00100	PHASE JETTER METER	
CLASSIFICATION	90100	TYPE 111, CLASS 5, COLUR R, STYLF 1, PER MIL-T-28800	
SNI/FR NI SNEIST FIG	01100	483MM(1918)WX203MM(81M)HX305MM(121M)D	
WE TOTAL THE REVENS	02100	B.2KG(19LBS) MAX	
PAR SHIPLI IST CONSTRUCTION	00100	50HZ+60HZ+400HZ S-PHASE 115/230VAC	
	00150	2500 HOURS	
SALINA PINON COLOR SALINA	01200	-55C 10 +75C STORAGE	
CALCEL CA	14700	HOLVIN 2. AUDIT 600 AND POOLINES BAL HIT POUNTS ONBALICAD	
Pitas IIIE	24000	MEAS P/P PHASE SITTER FROM +/-3 TO +/-300EGREES	134 5-/+
PHASE JITTER FRED PANCE	24010	AUDIO II 1KHZ +/-50HZ, HIGH FREQ II LEASI ONE IN 10KHZ R	
TEST TIME INPUT LEVEL	76100	INPUT LEVEL RANGE -3008M TO +1008M	
1521 TIM DUIDOI LEVEL	76200	INDICATION OF UUTPUT LEVELS OF IT SHALL BE PROVIDED	
		LR TECHNICAL DATA	
		ANILY	
LITTER RECHIREMENTERS	(b)	NOMENCLATURE CUDE	ON OI
1.384.9185.914		SIGNAL GENERATOR, THERMAL 055	5256
	O A D A MC T C D		3000
SKYN all sheave	CODE	PARAMFTED	OR AS STATED
JEFF 12 12 a lace	00100	SIGNAL GENERATUR, THERMAL	
CLASS IF ICALIAN	00100	TYPE III. CLASS 5. COLUR R. STYLE F. PER MIL-1-2000	
SELVER NI SECUSE FIG	00110	DECEMBER 1 DININK 190 THE 7.5 IN 1 HX 240 MILLIEUS	
WEIGHT IN AGAINS	02100	6KG(13LNS)	
PNP SHIREFFESTONSHAPTION	00140	50HZ+60HZ+60HZ S-PHASE 115/230VAC	
TEMP TOTO / NIN/ - IDE OF LE	00210	-55C TO +75C STORAGE	
CHILLY ALENBALON	03400	AT LFAST BODB IN NO CREATER THAN 2008 STEPS	
DITENT TAPEDANCE	35200	300 OHMS	-/-10 PCT
MAILE SHAPEF, MUISE FRED #	45220	SHI IN SMHI, IN 3 FREG SPECTRUMS OF DIOZOKHI, SOOKHIESMHI	1-10 PCT
STOAM MITPUT VOLTAGE	66200	JVOLTS MIN	

		LR FECHNICAL DATA	
LFTTF9 REGULARENTELR)	11.8)	NOMEMCLATURE FAMILY CUDE	0N 01
17840LR57069		STANDING WAVE RATIO METER (SMR) 063	2557
PARAH II P NAMF	PARAMETER Code	PARAMETER	ACCURACY (PCT) OR AS STATED
FOULDWINE WARE CLASSIF FOR FINA DIMENSIBLE IN MAZINS WITCH IN GALLAS PAP SUMERIES JOHNSUMPTION PEADOUT METHODIS)	00100 00100 00100 00100	STANDING MAYE RATIO MITER TYPE 111, CLASS 5, COLOR P, STYLF E, PER MIL-T-28800 450MMIZINIMXZAOHMIDIMIHX550MMIZIIMJU 29,5KGI651851 50HZAOHZAOHZEN 5-PHASE 115/230VAC HETER DISPLAY IN BUTH YSWP AND UR	
TEAP OPE PANN-NPFPATING ATTENDATION PACHADIN FPS RANGE PPF YANGE INPUT PFS BITTON RE VOLFAGE DUTPUT	00510 05200 05200 56500 14400 60000	-55C TU +75C STORAGE 0 10 7008 VARIABLE RETWEEN 15HZ TO 130HZ 1000HZ 100 DHMS CRYSTAL DET,5000 UMBAISED,1000 BAISED,200 BULDM AT LFAST 0.15UV RMS FOR FULL SCALE DEFLECTION VSWR UP TO 10 TO 1	134 2-/+
1511FR REGULDINGMINTLED	6 9 3	LR TECHNICAL DATA FAHILY MOMENCLATURE FFLETYPE ANALYZER 066	85.25
PARINI II R WANT	PAPAMETER Code	PARAMETER	ACCURACY (PCT) OR AS STATED
FULTON MANY FUNCTION CLASSITICATION OLDER MSTONS WEIGHT IN ALALES PAY SOMECTES ACONSUMPTION TEMP OUT YAGN-IPPRATING	00420 00100 00100 00100 00100	TELETYPE ANALYZER ACCEPT HARK/SPACE, FUX MSG AT 5 LEVEL, RAUDOT/ELEVEL ASCII TYPE 111, CLASS 5, CRLOR R, STYLE L, PER MIL-T-2880U 105HM14 [N) MX315MM112 [N) HX105HM14 [N) D 2, 3K(5LRS) BPRATE FROM SELF-COMTAINED RECHARGE ARLE BATTERIES -55C TO +77C STORAGE 455.472, 100 E 150 BPS	
CHERNY THRUIT LEVIL DISTORTION REASORMINTS PARTY FROMS	14870 17500 20000 50800	MEDIRAL LUUPS AT 20 % DOMAIN PULAR AT JUNA & LUW PULAR MESSURES MARKING,SPACINGRIAS,END DIST,TOTAL PEAK DIST MESSURE UP TO 50PCT DISTURTION ON THE INCOMING SIGNAL INDICATE DUD OR EVEN PARITY FRRORS IN 8 LEVEL SIGNALS	+/-1.5 PCI

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			1	
LETSTR REGULARMENTELRS	(18)	NOMENCLATURE	COOF	10 40
144464464		TRANSMISSION IFST SET	120	5259
PARATUS NAME	PARAHETER Code	PARAMETER		ACCURACY (PC1) OR AS STATED
FOULPHINE VANE CLASSIFICATION DIES WITHS IN HAZINS WEIGHT IN 4G/LRS PWP STUPPLICSTONSUMPTION	00100 00100 00110 00170	TRANSMISSION TEST SET TYPE THISCLASS SECOLOR RESTYLE E.PER MIL-T-2000 4 march 1911 masdumizoim/hx457mm(1061m)d 10.1kg/40los 50.60 E 400Hz S-PMASE 115/230VAC	00	
THE OPT CAND DEFRATING DISTORDING WIND LINEAR DESIGNATION OF THE THREE T	19100 20800 20800 22400 22400 28000 38000 37500	/-55 TO 75 DEG.C NUM-LIN DISTURRITION OTU 50DM RILLIN RICO SIGNAL KNT I/S PROPOUTIS HORE-ANSFC. & BILCON 120B OF 1/5 LFVEL 3K FO 6KUSFC DELAY AT 1800H/7/-/-10US 6UO-J900EAT30U-640H MRS ENVILOP DELAY BTWN 200 TO 390H/7 SOO TO 3900H/2 KNT GAIN HITS ABOVE THRESHULLO-/-266DB FOR HORE/ANSEC MOTS ENTIABUSE THRESHULLO-/-266DB FOR HORE/ANSEC AND FREQ.AS 1/ABOR AT 200 TO 390UHZE-/10B AT 18H2	S LFVEL AF 300-600H E/4MSEC AY-1949CMF AT 1KH2	•/-30USEC
MOTS! HE ASORFMENTS WETCHE PLASS HEES PLASS JETTER PLASS HEER PANGE	51690	HEAS NUISE, 20 TO 900BH, W/C MSG, 3KHZ WEIGH-FIL W/UUT 1004 CNI PHASE HITS GINN 10 TO 45DFG IN 50FG INCR/GTR 4MSC MFS PLASE PHASE JITTER AT 90FT013UHZ, BANDWIDTH 20-300HZ PHASE JITTER AMSGE, 25 DFG P/P	W/UUT 1004 FR 4HSEC 20~300HZ	•/-108
	80000 80400 80420 84400	200HZ IN 3900HZ 1004HZ -35 TO DDBH, IN 10B INCREMENTS HEAS 5,10 MINGCONT FOR IMPULSE NOISE/PHASE/GAIMEDRUP CNT	MEDRUP CNT	2H5*-/* 2H5*-/*
LITTE REDUTRIMENTLES	(נג)	LR TECHNICAL DATA Nomemclaturf Umiversal bridge	FAMILY CODE ODB	10 NO 5260
PACA UTTO NAME	PAPANETER CODE			ACCURACY (PCT) DR AS STATED
FOURTH WANG CLASSICIFCALIUM DIW: MSTUNS IN MM/INS MFEGIT IN MCACAS FNCCONSUM ISTALT FNCCOSING	00100 00105 00110 00110 00110	UNIVERSAL BRIDGE TYPE 111, CLASS 5, COLUR R, STYLE E, PER HIL-T-20ADO 495HM(19/HHMX125HM(12.51M)HX300HM(11.51M)D 17G(17LRS) 57VL F 57VL F 591X,60H3,400HZ 5-PHASE 115/230VAC	-2 8400	
CAPACITANCI RANGE INTERNAL SIGNAL SOURCE INDUCTANCE MESSOTIFINES RESISTANCE MESSOREMENT	08400 25400 25410 25420 35400 47000	IPF FO IZODUF B RANGES NAX MAKING MEAS FROM AN INTERNAL & EXTERNAL SIGNAL SOURCE INTERNAL SIGNAL SOURCE SHALL NE 18117 SHALL EXCEPT EXTERNAL SIGNAL SOURCE VAR FROM 50H2-ZOKHZ INDUCIANCE MEAS CAPAB FROM IUN FO ILODUM, BRANGES NAX MEASURES RESISTANCE, CAPACITANCE & INDUCTANCE RESISTANCE MEAS CAPABILITY FROM 10 DHMS FO IZMOMM BRANGE	SAURCE OH7-20KH? GES MAK OHM ORANGE	-/-0.2 PCI -/-3 PCI -/-0.1 PCI

LR TECHNICAL DATA

		LR TECHNICAL DATA	
LITTER REDUISINGLE	16)	NOMENCLATURE CODE	10 NO
11.04.0F KC.40.17		AC VILLIMETER 076	5247
itay our strove	PARAMFTER CHDF	PARAHETER	ACCURACY (PCT) OR AS STATED
FULLANT NAME CLASSIFICATION DIM USTIMS IN MAZINS	00100	AC VALTMETER TYPE 111, CLASS S, COLOR R, STYLF E, PER MIL-T-28600 210MMG/MWX210MMG/MWWX286MMCIEIN/D	
MI GOTT IN KGALDS PAR STUDGET ESTACOMETEUN READON 1 METHODOLS IF METHODOLS FEELD PERSONNE	00170 00140 00170 00710	4.5kG1OLRSI MAX 50H2.60H7.40H1Z S-PHASE 115/230VAC DISPLAYANTH AC VOLIS & DB VALUES,DB CAL IN REF IMV 6000 155C IO -75c STORAGE & DB VALUES,DB CAL IN REF IMV 6000	
9ECTON P. HUTPUT VOLTAGI AK VOLTAGI AG. IMPUT. IMPEDANC	58400 84000 84110	PROVIOF RECORDER DUTPUT UP TO IV AT FULL SCALE ACV MEASUREMENTS, INV TO 300VC-70 TO +50DBHILZRANGES MAX INPUT IMPEDANCE TO MEGUMNS	•/-3 PCF
		LR TECHNICAL DATA	
LITTER REDUIREMINITER	(8)	NOMENCLATURE CODE	0N 01
1984-1271-70		FREWIENCY SFLECTIVE VOLTHETER	1525
PASANI 11 P SANG	PAPANFTFR CIDF	PARANCTER	ACCURACY (PCT) OR AS STATED
EDUTENT NI MANE CLASSIFICATION DIN 45TINS. IN MAZINS WEIGHT IN KGALRS PAR 5019CO 151/CONSUMPTION REPORT OF SZNIK OPERATING RADDALATION	001100 001105 001110 00110 00510 05300 17000	FREQUENCY SELECTIVE VOLINETER 1VPE 111, CLASS 5, COLOR R, STVLF F, PER MIL-F-2000 48,3M41191NWX79HMI11NWH470HMI18.5IND 41,3M41191NWX79HMI11NWH470HMI18.5IND 51,2M41474R51 50H2,60H7,400H2 S-PHASE 115/230VAC -55C TO +75C STORAGE 2 SEL RANDMIDTHS 3,1KH2 +/-10PCT , 200H2 +/-20PCT 0f MOD AM C SSN SUPRRESSED CVR TU AUDIO 51G ,& AMPLIFTER	
HAMMING DISTORTION FRED PANGE	19400	650B RELOW FUNDAMENTAL FREG TUNABLE FROM 4KH7 TO 9.1MH7 ,USARLE TO 1KH2	7H 0E-/+
IMAGE FPEORRE JECTION IMPEDANCE, INPUT IMPORT LEVEL HEASUREHENT	34400 34400 36900	IMAGE REJECTION , AT LEAST 70DB 75 , 135 , 600 & HIGH & OF AT LEAST 1000 DHMS,UMBAL & AA MEASURES -110DBM TO -2008M INPUT LEVELS	./-0.2 DBM

		LR TECHNICAL DATA		
IFIER REGULATIONS MINITED	181	NOMENCLATURE CODE	DN 01	
1 1144 0 [16 7 2 6 5		WATTMF TER. 4 LOMW) 041	1975	
PATAN BI BINAME	PAPANFTER CUNF	PARAMETER	ACCURACY (PCF) OR AS STATED	50
COULDEN NE JAME CLASSIFICATION DIACASIONS IN MHZINS MFIGUE TO KOLLES	00100 00100 00100 00100 00110 00110 00110 00110	WATTHFIER IYPE 111, CLASS 5, COLUR R, STYLF E, PER MIL-T-28600 229MH(91N)WZ03MH(81M)HX30!MH(121MJD 4.54KG(10LBS) MAX STYLE E		
PWR SOURCETST/CONSOMPTION READOUT RETHOUSS FRED UPLE/MON-OFFRETING FRED PANCE POWER RANGE OFFERD RANGE	00140 00160 00210 26500 56500 56500	SOHZ+60HZ+40OHZ S-PHASE II5/230VAC DISPLAY THE MESARED POWER IN WATTS & DBM -55C TO +75C STORAGE INHS TO 186HZ 10 MANDWAITS TO 10 MILLIMAITS RECORDER DUTPUT NOT TO EXCEED 1.0VDC FULL SCALE H/P FILTER TO FILTER OUT FREG & HARMONICS BELOW 400H7	·/-1 •C1	_
LITTER REGULAEMENTILE)	161)	LR TECHNICAL DATA FAMILY NOMENCLATURE CODE	0¥ G1	
19940LR 79074		DISTORTION ANALYZER 014	6476	
PARAJETI P HAME	PARANETER CODE	PARAMETER	ACCURACY (PCT) OR AS STAIED	7CT)
CLASSIFICATION CLASSIFICATION DISH NICHAS IN MCALES FINGUIT ON MCALES	00100 00100 00100	* 5		
THE STREET STREET OF THE STREE	10110 10110	-55C TU *75C STORAGE -55C TU *75C STORAGE 640P RELUW PUNDAMENTAL FREG LFVEL MEAS FRUM 0.1-100PCT FUR FPFO*5 5H2-560KH/ HIGH PASS FILTER TO FILTER DUT FREG & HARMONICS GFLUM GREATER HAN -800B	124 6-/-	_
IMPUT LI VEL MEASURFHENT IMPUT VII,TAGE RANGE MULT MIDTE STUMAL IEVEL MUTPUT VII,TAGE AF INPUT PHPFDANG	34900 17400 46900 65600	INPUT PUNER RANGE -750BH TO +620BH INDICATED VALUE VOLTAGE RANGE 300UV TO 300V RHS AUTO 6. MAN HUDE NULL.+/-30DH AT 5-100H2.+/-1.50B 0.1-560K OUTPUT OF 01ST CHP OF 0.1V RMS.FULL SCALE METER INDICA I MEGOHM SHUNTED BY NO HOPF THAN 70PF	LUE +/-5 PCF 60K CA +/-10 PCF	

		LR TECHNICAL DATA	
LF FIFR REDURERNENCLES	(*)	NOMENCLATURE CODE	0N 01
520908 105HC 1		ENVELOPE DILAY TEST SET 016	5263
3HVH ass invova	PARANFTER CODF	PARAMETER	ACCURACY (PCT) OR AS STAFED
FLASSICITATION	00100	ENVELUPE DELAY TEST SET TYPE ITT.CLASS 4.FULD B.STVIE 5.PLP MIL.T.2ABOO	
SMITH AND SHOULD	01100	482.6(191N)WX280MH(ILIN)HX457HH(IBIN)D	
METCHE IN COLUMN	02100	20.4KG/45LBS	
THE TOTAL CONTRACTOR	00140	50,60 & 400HZ >~PMASE 115/230VAC	
FWYLIPP DILAY	22400	RELATIVE DELAY, 0 TO 40 MILLISECUNDS,+/-10MS-25HZ,5MS-83	
CHALLIPE DELAY MEAS CONFE	22500	END IN END.END IN ENDWIRTH REF AND LOOP HOUES	
FRED OF SPINSE	26900	200HZ TO 600KHZ	
IMPLOANCE, INPUT/OUIPUT	34500	135,150,600 (900 DHMS BALANCFD IN GND	124 5-7+
Line Actor Character	00404	4008 Approved the party was been provided that the property was been provided the provided that the provided	
STREET OF FOLD	00674	RUU FREUSIASIASIA 2004/14/50 PLI DBL SIDEBAND MUU DIN DEE EDEDIADI 2004/11 ED 40044/	
	65.700	145541 2 +00543	
SIGNAL LEVIL DUTPUT	65600	-2008H TG +1008H, E NOT MARY MORE THAN .208/300H/-20KH/	
		LR VECHNICAL DATA	
LFIIFR REGUIPTMENTILRS	LR)	NOMENCLATURE CODE	. ON 01
198501219013		NDISE INDICATOR 055	\$926
	PARAMETER Code	0 4 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACCURACY (PCT)
			UK AS STATED
FOURTH NAME	00100	NOISE INDICATOR	
MORTHAN TO THE PARTY OF THE PAR	10100	GENERATES & MEASURES NOTS: SOURCE LEVELS TYPE STILLSANS A.COLDS D.STYLE E.PER MILTINSAND	
V21/12 V1 V11/12/13	01100	ABO. CERTICOLESSENT GERALLOTELES TOTAL TOTAL CONTROL AND THE CONTROL OF THE CONTR	
WEIGHT IN KG/LBS	02100	20KC/45LPS	
PHS SIMBELLST CONSUMPTION	04100	50.60 & 400HZ S-PHASE 115/230VAC	
Sacial Marcia Adriad	00170	INDICATOR BHC-FEM/SOURCE NoMALE TO 12CH/EOSM FEM TOINGH!	134 01-/+
Coltain the Sance	35.200	40 CHANG C	
HOTS! I TO IND FRED RANGE	00044	40M1 TO 150MH2	
NOISE FIG IND RANDWINE	00144	SHILL OR CREATER	
NOISE FIG IND.SFRSIFIVITY	44.200	-70 TO -1008M+W/NUISE SUURCE ON	
	45200	MAXIMUM UF 3 NUTSE SOURCE DEVICES PER OPER FREG	
NOTES SOUPER FERCESS MOTSE	45210	15.504	*/~.60B
MOTEL STREET AND ST THE R	45720	10MW TO 18GHZ	
SIAMPLINE MAVE KAILU SHI	20010	SAT TAXOLOG	

		LR TECHNICAL DATA	
LETTEP REGULATIVENTLERS	(LK)	MOMENCLA TURE CODE	10 NO
19450[R21059		NOISE LOADING TEST SET 8	5265
PAZZAM II B MAME	PARAMETER Codf	PARAMETER	ACCURACY (PCT) UR AS STATED
FOULPHENT NAMI CLASSIPLEATION DIM-USTONS IN HM/INS MIGHT IN MG/LRS PWS. COUPETES VCOMSUMPTON	00100 00105 00110 00120 00120	NOISE LOADING TEST SET B TYPE III.CLASS 5.COUGH R.STYLF E.PFR MIL-T-28800 482.6MH191NBMX177.8MH191NBMX177.8MH112.5INJ0 11.79KG/26LBS 50.66 C 4.GOULT S-PHASE 115/230VAC	
ATTEMATION OUTPUT POWER DUTPUT INPEDANCE MINING ATTOM CHARACTERISTIC RETIDOL LOS RATIO RETIDOL LOS	15100 15100 15200 42500 51400 641200	0 10 - 1206M MAX GUTPUT EACH CMAN, ODAM 600 DHNS 12 VF CHAN*S,EACH 300-3400HZ,W/CAUSSIAN DISTR NUISE SIG FEAK TO PRS,MITHIN ODA AT IPCT/TINEELOOM/.1 PCT OF TIME GREATER THAN 2008,RETURN LOSS W/L CHAN OFF,SPURFOUS NOISE LESS/1008A (-7508M FIA MGTD)	H801-/•
IFITE REGUISTHENILED	11.93	LY TECHNICAL DATA FAMILY NDHENCLATUPE CODE	0x 0)
144561.827011		NULL BALANCE EARTH TESTER 035	5274
PARA 41 FL P. MANE	PAPANF TER Codf	PARAHITER	ACCURACY (PCT)
FOURTH NAME CLASSIFICATION OLIVATION IN AMETICAL MATERIAL OLIVATION	00100	NULL BALANCE EARTH IESTER Type III.class 5.color R.Siylf [.Pfr Mil-1-28600 Inomicianumzzashmildiniharigommiainib	
SESTANCE HEASUPPHINE RESE VIR FAGE	57600	OF TEST VOLTAGE GEN'S DEADLY	17-1 -/-

		LR TECHNICAL DATA	
LITTER REMIREMENTERS	183	NOMENCLATURE CUDE	ON 01
19450184400		SIGNAL GENERATUR, SHF U53	5266
PANA 11 PANG	PARAHETER CUNE	PARAMETER	ACCURACY (PCT) OR AS STATED
FOURTH OF THE STATE OF THE STAT	00100 00100 00110	SIGNAL GENERATOR, SHF TYPE JJJ.CLASS S.COLOR R.STYLE F.PFR HIL-T-288U0 450HHITTINJHX365HHI14INJHX462.6HHI19INJU JJ.SKG/6.7LRS	
FWP TOTACT (S)/CONSUMPTION TEMP TOF PANN-IPFRATING INTERNAL MID CAPABLITES FXIFTHAL MID CAPABLITES FXIFTHAL MID CAPABLITES FXIFTHAL MID CAPABLITES FXIFTHAL MID CAPABLITES	00140 00210 01300 01300 26010	50,60 & 400HZ S-PHASE 115/230VAC /-55 TO 75 DEG C FH,PULSE & SQ-WAVE HUD EXT,FM & PULSE HUD HOD SIGCOLST,NO GREATER THAN 2PCT UM ALL FREQ*S 300M RELIOW UNHUD CARRIER	
FREE MID-INION SPUBLIS AN FREE MID-INION DE VIATION FREE PANGE	26080 26410 26500 14300	LESS THAN 5 PCT AT 40KHZ DEV O TO 5MHZ P/P IS TO 21GHZ W/LEV VARIATIONS NO MORE/+/-IDBIN 6 RANGES 50 DHMS	1-/-
PIRST HIDIN RAIF FY-PINST REPITION RAIF SD-MAN HIDULATION OF HITPUT PHAFE	00168 00584 00584	1 TO LOUSEC PULSF WIDTH 40 TO 4000PPS 40 TO -1000BM	
IFIFE BEDUISTHENILLE)	(1)	LR TECHNICAL DATA FAMILY NOMENCLATURE CODE	0x 9
114561454612		STRUADSCUPE	2925
PARAMETE FAME	PABAHFTER CHOF	PARAMFIER	ACCURACY (PCT) OR AS STATED
FOULD OF THE WANT CLASSIFICATION DIAM STORY IN MEALINS WEIGHT IN MEALINS WEIGHT IN MEALING THE DEPARTMENT OF THE FLASH CHANGE FRISHES THE STREET OF THE STREET MEANING THE STREET OF THE STREET MEANING THE STREET OF THE STREET O	00100 00102 00100 00110 00110 00510 10400 13400	STRUBNISCOPE TYPE III, CLASS 5, COLOR R, STYLF F, PER HIL-T-2000 305HHILZINIMXZOJMHIBINIHXTRIMHISINID 9KG/20L8S 50.60 E, 400HZ 5-PHASE 115/230VAC 7-55 F 17 75 DG C 110 TO 25,000 FLASHES PER HINUTE .5X10DEGREES CANDELAS, MEAS I METER FROM LAMP EXT SDURCE SYNC CAPABILITY	134 1-/•

	ON OJ	8925	ACCURACY (PCT) OR AS STATED								+/-5 PCI	
4 1	3000	TER 073	-	IE TER	TYPE fill-CLASS 5,COLOR R,STYLF E,PFR H1L-T-20000		50,60 & 400HZ S-PHASE 115/230VAC/50H	-	-			IN 2 HANDS
LR TECHNICAL DATA	NOME NCL A TURE	VFCTAIR IMPEDANCE METER	PARAHFIL R	VECTOR INPLOANCE METER	TYPE [[],CLASS 5,C	18.144G/40LNS	50,60 £ 400HZ S-PH	3600 HIURS	7-55 TO 70 DFG C	500KHZ TO 100MHZ	10 TO 100KBHHS	O TO 360 DEGREES
	(18)		PARAMETER CHDE	00100	00100	02160	00140	00120	01200	76500	34400	52A00
	Tille Remineral Miller	12850[26.7084	PARAUTTO NAME	FOURPT'NE NAME		Actions to AC/LAS	PAR STREET ISTACONSTRAFTION	NI IN	DNI IVA JAD-NON/A Lac JE JI	Lot a passet	INDUSTRICT STANFOLD	PHASE ANGLE MEASUPENEME

APPENDIX E

LR AND SPECIFICATION ANALYSIS

In this appendix the technical characteristics of each LR and its companion OTS ETE specification are displayed by specific parameter. This arrangement facilitates determination of the compatibility between the LR and the specification. The data are in OTS ETE specification number sequence.

(Published Separately as Volume II)

APPENDIX F

LIFE-CYCLE-COST MODEL

1. DISCUSSION

In the following documentation, each life-cycle-cost element variable is indexed with an "I," e.g., HDWC(I). With this addition the variable represents an OTS ETE preferred item when "I" equals 1, and a fielded item when "I" is greater than 1.

The cost elements vary over the CERCOM-specified 20-year cycle from 1982 through 2001. The computer program will compute and list each life-cycle-cost element first in constant 1980 dollars and then in inflated dollars.

2. GENERAL LIFE-CYCLE-COST EXPRESSION

The general life-cycle-cost expression is as follows:

LCC _{TMDE} =	Hardware Cost	`
+	Engineering Cost	Investment
+	Initial Training Cost	Cost
+	Transportation Cost	Elements**
+	Documentation Cost	220
+	Initial Provisioning Cost*	,
+	Inventory Management Cost	
+	Replacement Training Cost	Recurring
+	Maintenance Labor Cost	Cost
+	Consumables Cost	Elements**
+	Holding Cost	,

The algorithms for the individual cost elements are presented in the following subsections.

^{*}Spares.

^{**}Details are provided in each algorithm.

2.1 Hardware Cost Algorithm

 $HDWC(I) = NEQB(I) \times UPRC(I)$

where

HDWC(I) = Hardware Cost of Ith TMDE Item

NEQB(I) = Quantity Purchased of Ith TMDE Item

UPRC(I) = Unit Price of Ith TMDE Item

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

2.2 Engineering Cost Algorithm

 $ENGCST(I) = [HDWC(I) \times (ECO + PEPA(I))] + GEC(I)$

where

ENGCST(I) = Engineering Cost of Ith TMDE Item

HDWC(I) = Hardware Cost of Ith TMDE Item

ECO = Engineering Change Orders. Source is CERCOM Logistics Engineering Directorate (LED).

0.02

PEPA(I) = Production Engineering/Product Assurance. Source is

CERCOM LED.

Zero for Alternative A

0.08 for Alternative B

GEC(I) = Government Engineering Cost. Source is CERCOM LED.

24,700 for Alternative A

Zero for Alternative B

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

2.3 Initial Training Cost Algorithm

where

This algorithm is based on the following information supplied by DRSEL-PL-SA:

- Factory Training Cost = \$12,000 per week
- Training Film Cost = \$ 1,000 per minute

TMDE Complexity (C)	Factory Training Time	Training Film Length	Cost
1 - Below Average		5 minutes	\$ 5,000
2 - Average	l week	10 minutes	\$22,000
3 - Above Average	2 weeks	15 minutes	\$39,000

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

2.4 Transportation Cost Algorithms

 $FDTRC(I) = 0.015* \times HDWC(I)$

 $SDTRC(I) = 0.05** \times HDWC(I)$

where

HDWC(I) = Hardware Cost of Ith TMDE Item

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

^{*}Source is U.S. Army Communications Research and Development Command (CORADCOM) "Cost Estimating Handbook," p. V-10.

^{**}Source is U.S. Army Electronics Command Pamphlet (ECOMP) 11-4, Volume 7, "Cost Estimating Handbook," p. VI-13.

2.5 Documentation Cost Algorithm

DMTC(I) = NPC(C) \times 250* \times REBY(I) + [PLC(C) + RLC(C)] \times 35** for Alternative A

= NPC(C) × 250* × REBY(I) for Alternate B

where

DMTC(I) = Documentation Cost for Ith TMDE Item

NPC(C) .= Narrative Section Page Count as a Function of TMDE
Complexity, C = 1, 2, or 3

PLC(C) = Provisioning Section Line Count as a Function of TMDE Complexity, C = 1, 2, or 3

RLC(C) = Repair Parts and Special Tool List (RPSTL) Section Line
Count as a Function of TMDE Complexity, C = 1, 2, or 3

REBY(I) = Rebuy Factor for Narrative Section: 0.2 if a Rebuy or 1
Otherwise (Source is DRSEL-PL-SA.)

The documentation information listed below was provided by ManTech of New Jersey Corporation under Contract DAAB07-77-D-6136:

С	Typical TMDE	Narrative Pages (NPC)	Provisioning Pages (PLC)	RPSTL Lines (RLC)		
1	Multimeter	80	500	125		
2	Signal Generator	150	1,000	250		
3	Spectrum Analyzer	250	2,000	500		

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

^{*}Cost per Narrative Page, supplied by Maintenance Engineering Directorate, DRSEL-ME-PCF.

^{**}Cost per RPSTL (Repair Parts and Special Tool List) Line, supplied by Maintenance Engineering Directorate, DRSEL-ME-PCF.

2.6 Initial Provisioning Cost Algorithm

IPRO(I) = PIPCT(I) × HDWC(I) for Alternative A

= 0 for Alternative B

where

IPRO(I) = Initial Provisioning Cost for Ith TMDE Item

PIPCT(I) = Initial Provisioning Percentage for Alternative A (based on algorithm provided by ManTech of New Jersey Corporation under Contract DAABO7-77-D-6136)

$$= \frac{11 + \frac{500}{\text{MTBF}(1)}}{100} \text{ MTBF}(1) < 500 \text{ Hours}$$

$$\frac{13 - \frac{\text{MTBF}(1)}{500}}{100} = \frac{13 - \frac{\text{MTBF}(1)}{500}}{100} = \frac{13$$

= 0.08 MTBF(1) \geq 2500 Hours

HDWC(I) = Hardware Cost of Ith TMDE Item

MTBF(1) = Mean Time Between Failures (in Hours) for Preferred Item

The condition of zero initial provisioning for Alternative B was supplied by DRSEL-PL-SA.

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

2.7 Inventory Management Cost Algorithm

 $IMC(I) = 668* \times RLC(C)$ for a First Buy

= 291** × RLC(C) for a Catalogued Item

where

IMC(I) = Inventory Management Cost of Ith TMDE Item

Costs attributable to inventory management include item identification, description, inclusion in supply catalog and maintenance catalog, establishment of inventory level and replacement rate, provisioning, requisitioning and rebuild instructions, supply studies, provisioning studies, requisitioning costs, and costs of holding inventory.

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

^{*}Cost of entering an item into the inventory system. Source is CORADCOM "Cost Estimating Handbook," p. VI-12. Cost is inflated to FY 1980 dollars with factor provided by DARCOM Comptroller.

^{**}Cost of maintaining an item in the inventory system. Source is CORADCOM "Cost Estimating Handbook," p. VI-12. Cost is inflated to FY 1980 dollars with factor provided by DARCOM Comptroller.

2.8 Replacement Training Cost Algorithm

TRNC = $0.01* \times (TRN35B + TRN35H)$

where

TRNC = Training Cost

TRN35B = Total Cost of Training Military Occupational Specialty (MOS) 35B (Repairmen Classification)

Number of 35Bs Trained Annually Multiplied by Course Cost per Individual

TRN35H = Total Cost of Training MOS 35H (Calibrator Classification)

= Number of 35Hs Trained Annually Multiplied by Course Cost per Individual

MOS	Number Trained Annually	Course Cost per Individual**				
35B10	95	\$ 8,191				
35B20	61	\$ 5,818				
35H30	38	\$10,359				

^{*} Source: ManTech of New Jersey Corporation under Contract DAAB07-77-D-6136.

^{**}Cost-of-training data provided by Comptroller of Army, DACA-CAF.

2.9 <u>Maintenance Labor Cost Algorithm</u>

- LBRCST(I) = CALCST(I) + RPRCST(I)
- RPRCST(I) = NOEQ(I) $\times \frac{OPHY(I)}{MTBF(I)} \times MTTR(I) \times 9.52*$
- CALCST(I) = NOEQ(I) $\times \frac{365**}{CAL(I)} \times MTTC(I) \times 9.52*$

where

- LBRCST(I) = Maintenance Labor Cost of Ith TMDE Item
- CALCST(I) = Cost of Calibration of Ith TMDE Item
- RPRCST(I) = Cost of Repair of Ith TMDE Item
- NOEQ(I) = Quantity of Ith TMDE Item Purchased for the Next Seven
 - Years
- OPHY(I) = Yearly Operating Hours of Ith TMDE Item
 - = 260 × Daily Use
- MTBF(I) = Mean Time Between Failures (hours) for Ith TMDE Item
- MTTR(I) = Mean Time To Repair (hours) for Ith TMDE Item
- MTTC(I) = Mean Time To Calibrate (hours) for Ith TMDE Item
- CAL(I) = Calibration Interval (days) for Ith TMDE Item

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

^{*} Cost per active maintenance man-hour for Communications-Electronics (C-E) equipment. Source is CORADCOM "Cost Estimating Handbook," p. VI-3 (value then inflated by 7 percent cost-of-living allowance).

^{**}Scaling factor: days in one year.

2.10 Cost of Consumables Algorithm

 $CONCST(I) = 0.25* \times IPRO(1)$ for Alternative A

= 0.05** × CUMHDW for Alternative B

where

CONCST(I) = Cost of Consumables for Ith TMDE Item

IPRO(1) = Initial Provisioning for Alternative A

CUMHDW = Seven-Year Cumulative Hardware Totals for Fielded Items

Up To and Including Current Year

TMDE equipment is as follows:

Alternative A (Preferred Item) for I = 1

Alternative B (Fielded Item) for I > 1

^{*} Supplied by DRSEL-PL-SA.

^{**}Cost of Repairs Parts is typically five percent of the Total Hardware Cost. Source is CORADCOM "Cost Estimating Handbook," p. VI-5.

2.11 Holding Cost Algorithm

HLDCST(I) = 0.03* × IPRO(I) for Alternative A
= 0.0036** × CUMHDW for Alternative B

where

HLDCST(I) = Holding Cost for Ith TMDE Item
IPRO(I) = Provisioning Cost for Ith TMDE

CUMHDW = Seven-Year Cumulative Hardware Totals for Fielded Items Up To and Including Current Year

Holding costs apply to TMDE in the Supply System. Since no TMDE will be bought for float, holding cost will apply to consumables held in the supply system.

- Alternative A (Preferred Item) for I = 1
- Alternative B (Fielded Item) for I > 1

^{*}Repair Parts Holding Cost factor is based on a percentage of the cost of the item being stored. The cost of the item being stored is assumed to be equal to the Initial Provisioning Cost for the Ith TMDE. The percentages used are from CORADCOM "Cost Estimating Handbook," p. VI-6, and are as follows:

Cost Factor	Percentage
Storage Costs	1
Other Losses	2
Total	3

^{**}Supplied by DRSEL-PL-SA.

